AW207

Cordless IP Telephone

User Manual

Version 1.00

Welcome

Customer Service

Company's Name:
Website:

Fax:

Tel:

E-mail:
Service hours:

Safety precautions

To avoid the electrical shock and injury, please follow these basic safety precautions before using the phone.

01. Carefully read and follow the instructions in the manual.

02. Heed the warnings marked on the unit.

03. Unplug the phone when cleaning. Use a damp cloth. Do not use liquid or aerosol cleaners.

04. Do not place objects on the line cord. It may cause damage.

05. Do not use this phone in wet surroundings and environments where there is a risk of explosion.

06. Keep the phone dry and not to be spilt.

07. If the phone is out of function, unplug it from the wall outlet and deliver to service center for reparation.

08. Be careful about the polarity of batteries. Insert the rechargeable batteries in accordance with polarity as indicated (refer to the Installing Batteries section).

09. Only use approved rechargeable batteries of the same type. Never use other ordinary batteries of conventional alkaline batteries. Otherwise health risks and personal injuries cannot be excluded.

10. Do not mix exhausted and full batteries. Exhausted batteries shall not be removed to usually household waste or be burn up.

11. Only use the power adaptor unit as supplied, refer to the specification on the underside of the device.

12. Children can only use the phone under the supervision of adults. Otherwise, please keep it out of reach from children.

13. Please stop using the phone if it is damaged.

14. The phone is designed for working with a temperature range from 5℃ to 45℃.

Features

- LAN: one 10/100Mbps Ethernet switch ports with auto MDI-II/MDI-X
- WAN: one 10/100Mbps RJ45 connector, with auto-negotiation
- One Foreign Exchange Office (FXO) port is used to connect the PSTN for calling from VOIP line or DECT handset,
- Up to two calls (1 VoIP call and 1 PSTN, call or two VoIP calls) can be initiated by mobile handsets simultaneously.
- Up to 6 mobile DECT handsets can be registered to the AW207 devices.
- A push button support for DECT Paging and handset registration
- Another hidden push button support for reset and factory settings,
- High performance for voice over IP and wireless DECT handset access in small office and home,
- User-friendly configuration and maintenance through web page, telnet and DECT handset,
- WAN and LAN ports are complied with the IEEE 802.3u 10/100 Base-T Ethernet specification.
- Two calls (2 VOIP or 1 VOIP+ 1 PSTN) can be initiated by DECT handsets simultaneously,
- One dedicated SIP account supports for VoIP to PSTN call.
- Selectable encoders: G.711, G.723, G.726, G.729A,
- DTMF/Call progress tone detection and generation,
- G.168 echo cancellation,
- QOS for VOIP calling,

Session Initiation Protocol (SIP)

- Comply to the IETF definition of SIP as described in RFC 3261

Internet Protocol (IP)

- Comply to the IETF definition of IP Version 4 as described in RFC 791.
- Support UDP transport.
- Support the protocol DHCP for obtaining the network configuration (in either IP address, subnet mask, default gateway address, DNS servers, TFTP server, NTP server etc).

Media Transport Protocol

- Support configuration of the media frame duration.
- Support the IETF definition of RTP payload for DTMF digits in RFC 2833.

Internet Control Message Protocol (ICMP)

- Support a Ping client built into the unit.

Domain Name Service

- Support SIP Proxy DNS lookup for both SRV- or A-record. The DNS protocol for SRV-record is defined in the IETF document RFC 2782.

Outbound proxy

- Support outbound proxy capability.

Configuration and maintenance

- Support static network configuration.
- Support user friendly web configuration interface
- Optionally support local configuration through the dial pad and display.
- Optionally support remote configuration through a built-in Web server.
- Remote configuration and management over the Internet using web browsers
- Voice Activity Detection (VAD)/Comfort Noise Generation (CNG)
- Silence suppression to reduce bandwidth consumption
- Adaptive jitter buffer for smooth voice reception
- Lost packet recovery ability for improved voice quality
- Built-in PPPoE function to support dial-up connection for broadband technology
- IP address assignment using DHCP or static configuration
- Support Caller ID function
- FSK and DTMF dual mode CLIP (Calling Line Identification Presentation)
- Stores up to 50 calling numbers, up to 20 digits for each number
- Stores up to 3 last dialed numbers, up to 24 digits for each number
- Stores up to 50 phonebook numbers, up to 12 characters for each name and 24 digits for each number
- LCD displays calling and dialing number
- Barring numbers setting(up to 5 numbers)
- Call transfer of external calls (when using two or more handsets)
- Ringer melody selection – 9 different melodies
- Ringer volume adjustment – 9 levels
- Handset earpiece volume setting – 9 levels
- Delete single or all records in phonebook
- Redialing and preparation dialing functions
- Page on base unit to look for the handset easily

- Clicking key tone on or off
- Speakerphone

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Setting Handset Name
Changing Handset PIN
Setting Auto Answer Function
Setting Any Key Talk Function
Choosing Language
Resetting Handset

Base Setting

Base Configuration

Registering a New Handset
De-Registering a Handset
Changing Base PIN
Tx Gain
Rx Gain
TBR06 Test
Resetting Base

VoIP Configuration (Please see Appendix B -- Configure the device settings using DECT Handset)

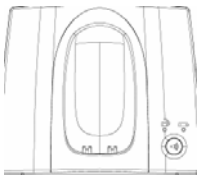
Appendix A-- Using the Configuration Web Page

Appendix B -- Configure the device settings using DECT Handset

Getting start

Contents of Package

Once you have unpacked your phone, check and make sure that you have all the parts shown as below. If there is shortage or defective, please call your dealer.



Base

Power adapter

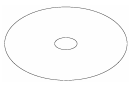
RJ-45 cable

Phone line cord

Handset

Carrying clip

3 AAA rechargeable Ni-MH batteries



CD (User Manual)

Note: Using a power supply with a different voltage rating than the one included with the AW207 will cause damage and make warranty of this product invalid.

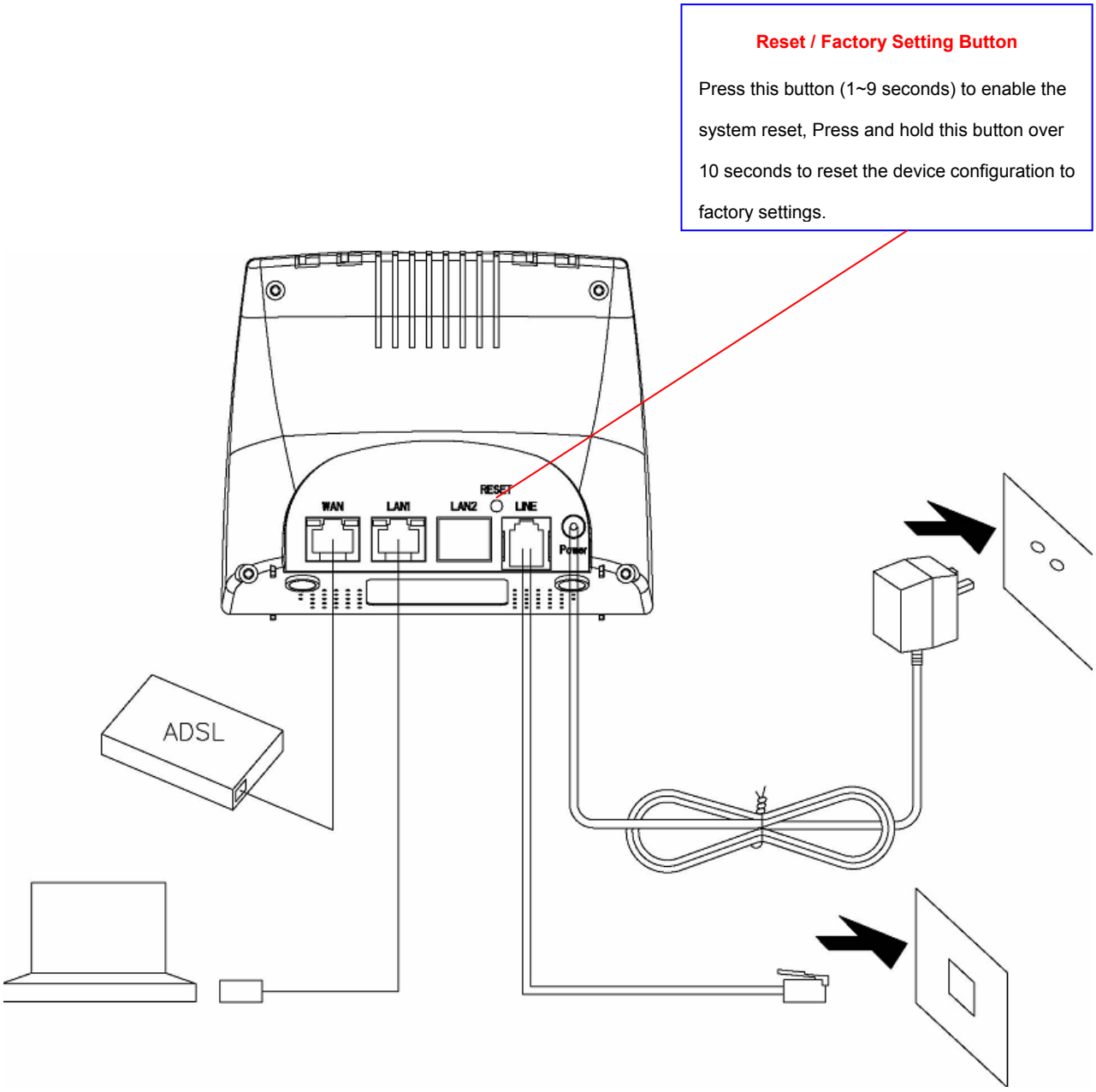
If any of the above items are missing, please contact your reseller.

System Requirements for Configuration

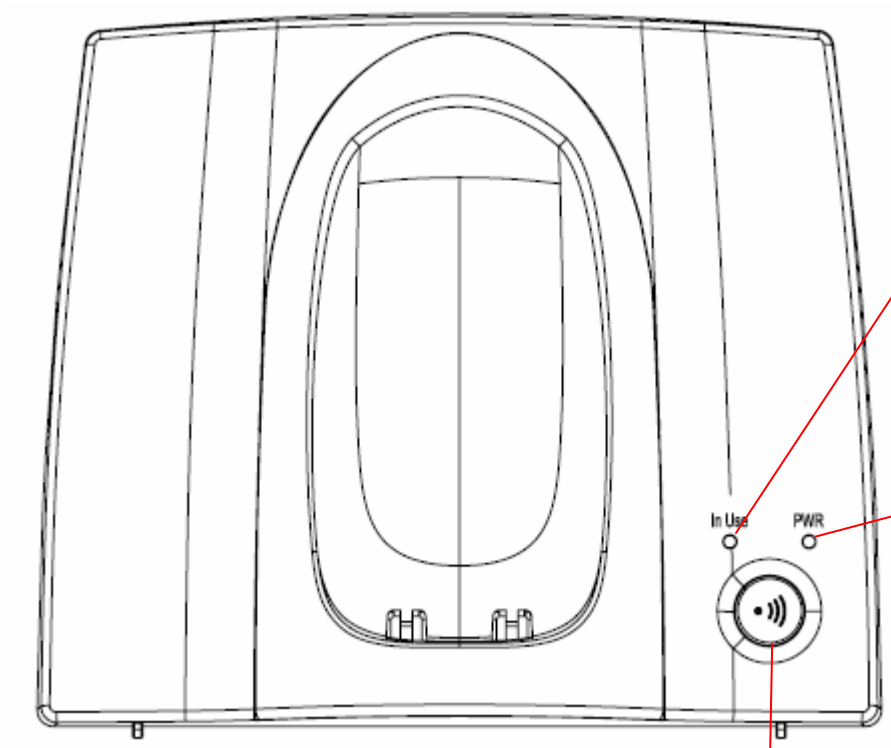
- Ethernet-Based Cable or DSL Modem
- A multi-port Ethernet router (may be included in the same box as the Cable or DSL Modem mentioned above).
- Computer with Windows, Macintosh, or Linux-based operating system and an installed Ethernet adapter
- Internet Explorer Version 6.0 or Netscape Navigator Version 6.0 and Above.

Base and Connections

AW207 Base_ back _view


Reset / Factory Setting Button
Press this button (1~9 seconds) to enable the system reset, Press and hold this button over 10 seconds to reset the device configuration to factory settings.
WAN
LAN1
LAN2
RESET
LINE
Power
ADSL

AW207 Base_ back _view



IN USE LED

An active LED indicates either Handset has been hanged off or Incoming call is ongoing.

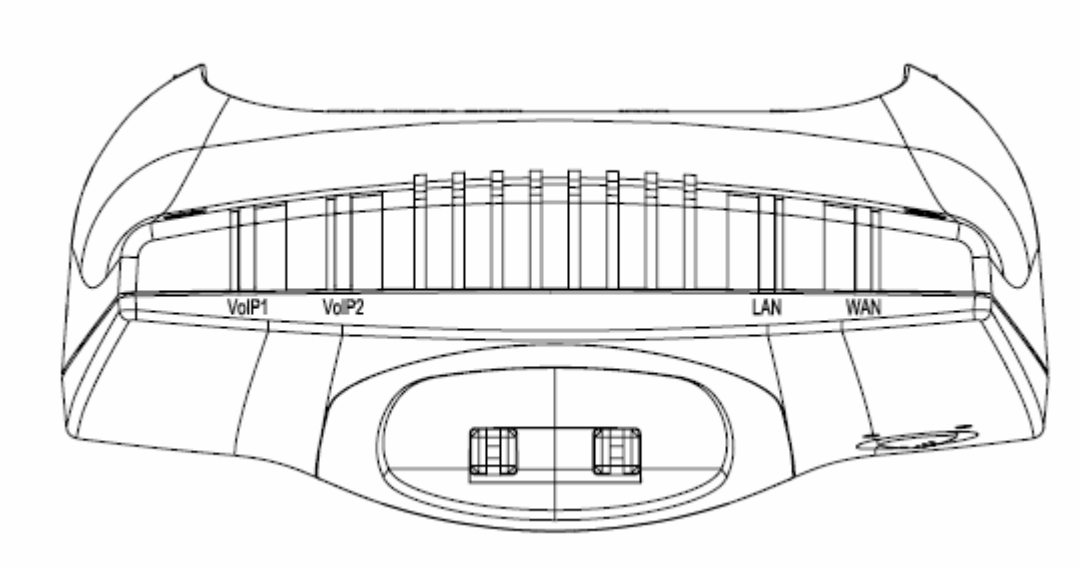
PWR LED

A solid LED indicates PWR works normally

PAGE / Registration Button

Press this button (1~9 seconds) to enable the DECT PAGE function. Press and hold this button over 10 seconds to enable DECT Registration function.

AW207 Base_ bottom_ view

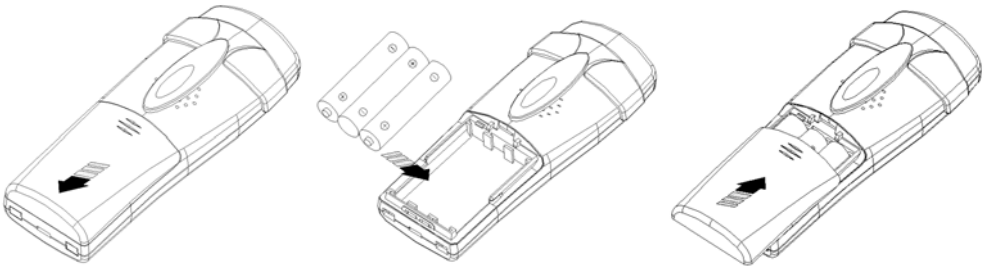


LED Indicators	Descriptions
WAN	Light : connection is active Blink : data transmitting or receiving Off : connection is not established
LAN	Light : connection is active Blink : data transmitting or receiving Off : connection is not established
VoIP1~2	Light : VoIP session has been established Off : No VoIP session

Installing Batteries into the Handset

You must install three AAA Ni/MH batteries (included in the package) into the AW206 handset and charge them in the base for about 12 hours before you can use your new AW207 Cordless IP Telephone.

1. Slide the battery cover in the direction of the arrow.
2. Insert the new batteries, as indicated, matching the correct polarity (+,–).
3. Replace the battery cover and slide it up until it snaps shut.
4. Put the Handset into the Base.
5. Connect the Base to the AC mains using the supplied AC adapter.
6. Allow the batteries to charge for about 12 hours before using the Handset to insure a proper first time charge.



Charging the Handset

Please Note: Before you use the Handset for the first time, you should fully charge the new batteries for about 12 hours.

After the initial charging, the Handset will recharge much more quickly – typically in less than 30 minutes.

To charge the Handset, simply place it on the charger base, as shown.

When the Handset is recharging, the battery icon on the LCD display is turned on ( ).

Please Note:

- Reversing the orientation of the batteries (their polarity (+, –)) may damage the Handset
- The batteries need to be replaced when they do not recover their full capacity after recharging
- When replacing the batteries, use good quality Ni/MH, rechargeable, AAA size batteries.
- Never use conventional alkaline batteries in the Handset.

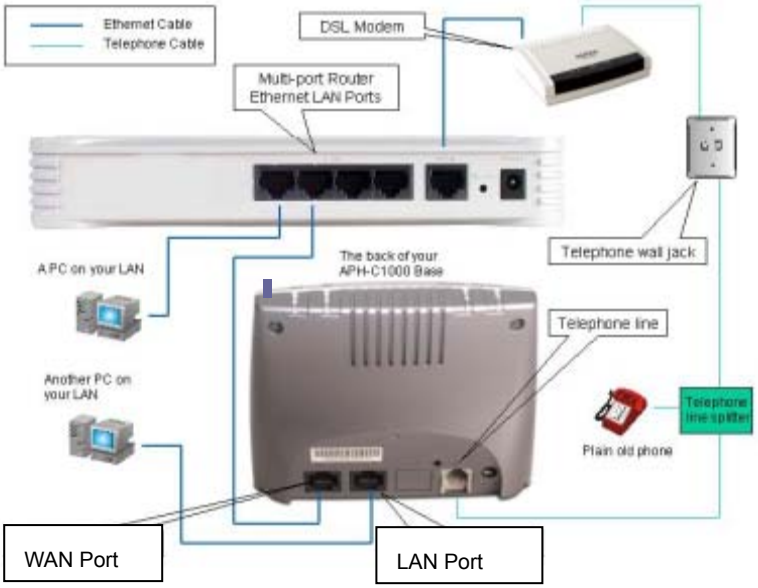
Installing AW207 VoIP Phone

The AW207 also support users to configure the configuration settings through DECT handset. Please see Appendix B -- Configure the device settings using DECT Handset

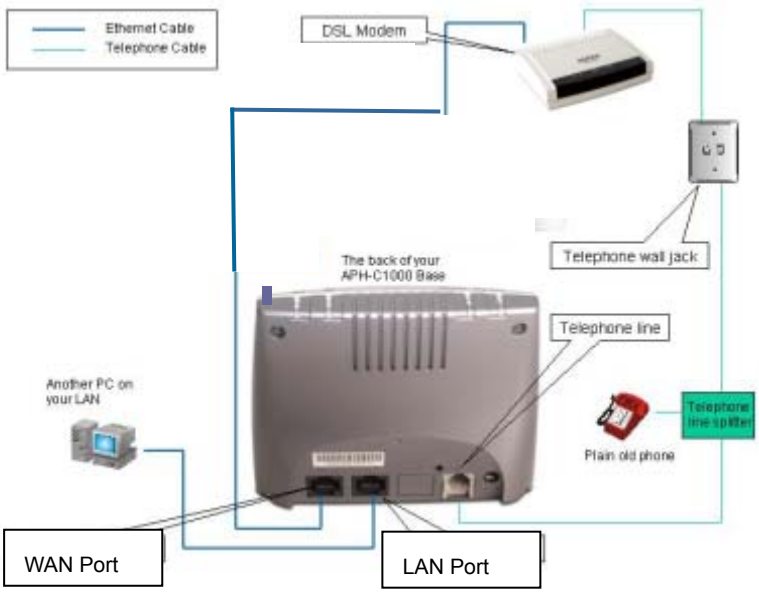
1. Connecting Lines ：

The following two diagrams illustrate how your AW207 can be wired into your existing LAN. The first diagram is for users that have a DSL internet connection with Router, while the second diagram is for users that have a DSL internet connection without Router.

LAN Wiring–DSL Modem Users with Router



LAN Wiring–DSL Modem Users without Router

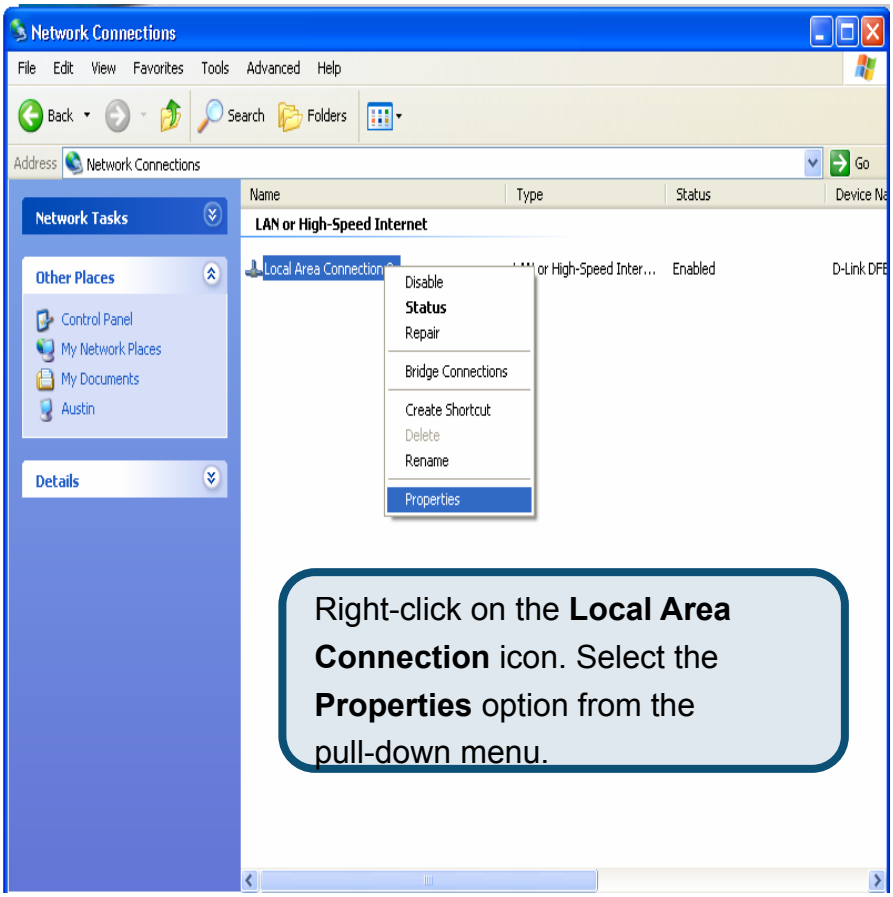


2. Local area IP address of AW207

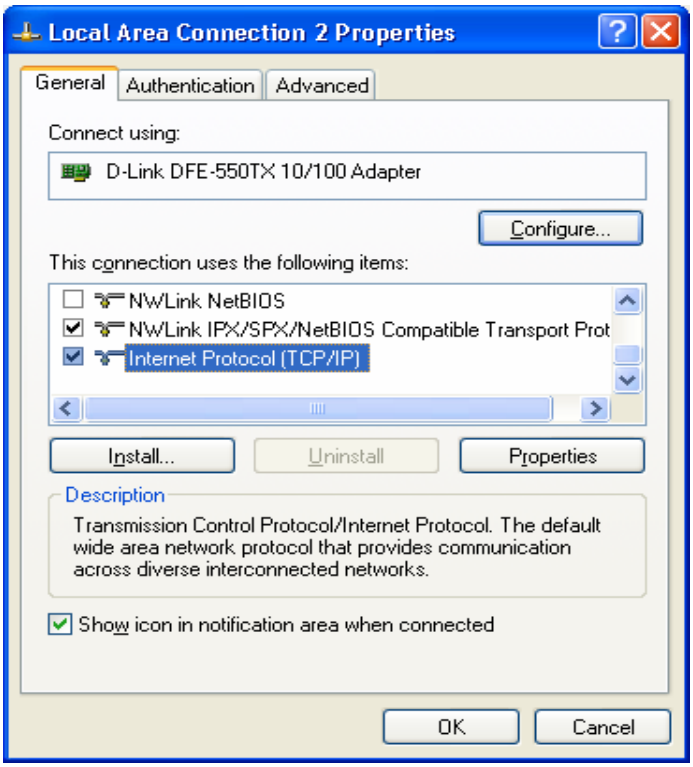
   “192.168.123.1：9999” is the original IP address of AW207, which is assigned by factory,

3. In DSL internet connection with Router mode, please jump to “step 4. Using the configuration web page” directly. In without Router mode, please run as following steps：

   (1) From the Start menu on your PC →click “Control Panel”→ click “Network and Internet Connections”→ click “Network Connections”→ right click “Local Area Connection” →select “Properties”

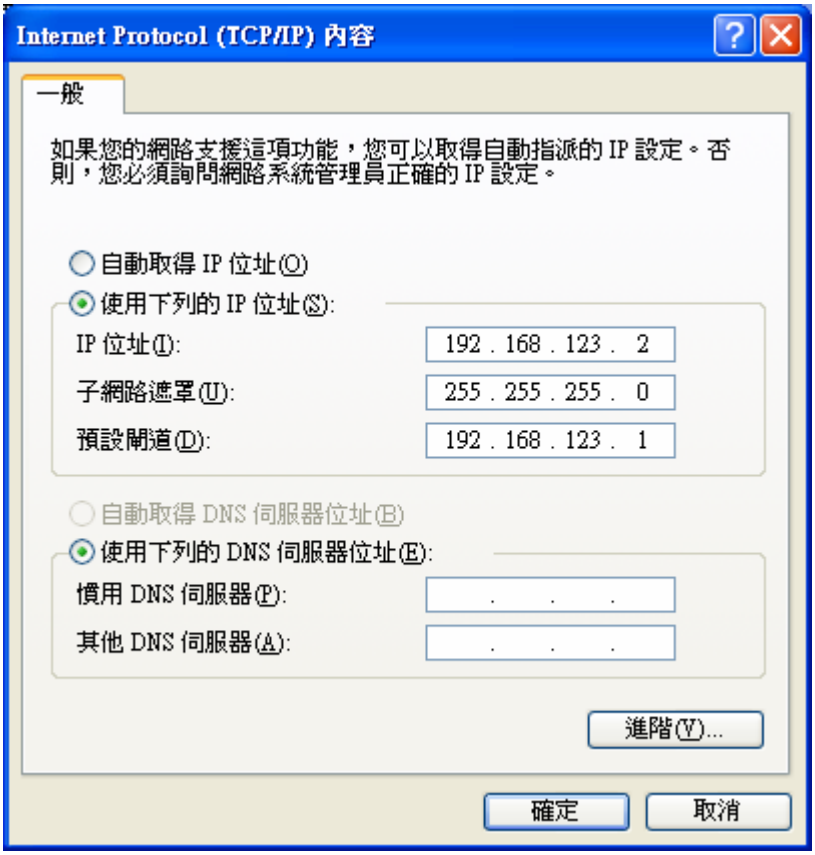


(2) then, pop-up window as follows:



(3) In the general tab of the Local Area Connection Properties window, highlight ”Internet Protocol (TCP/IP)”under“ This connection uses the following items：”by clicking on it once. Click on the properties button. Select “Use the following IP address” by clicking once in the circle. Enter IP address of 192.168.123.2 with a subnet mask of 255.255.255.0, and a default gateway of 192.168.123.1, then click “OK”.

NOTE：IP address of 192.168.123.2 must be unique in the Local Area Network Connections. Otherwise, 192.168.123.3 should be instead of 192.168.123.2 and etc.


Internet Protocol (TCP/IP) 內容
一般
如果您的網路支援這項功能，您可以取得自動指派的 IP 設定。否則，您必須詢問網路系統管理員正確的 IP 設定。
自動取得 IP 位址(O)
使用下列的 IP 位址(S):
IP 位址(I):
192 . 168 . 123 . 2
子網路遮罩(U):
255 . 255 . 255 . 0
預設閘道(D):
192 . 168 . 123 . 1
自動取得 DNS 伺服器位址(B)
使用下列的 DNS 伺服器位址(E):
慣用 DNS 伺服器(P):
其他 DNS 伺服器(A):
進階(V)...
確定
取消

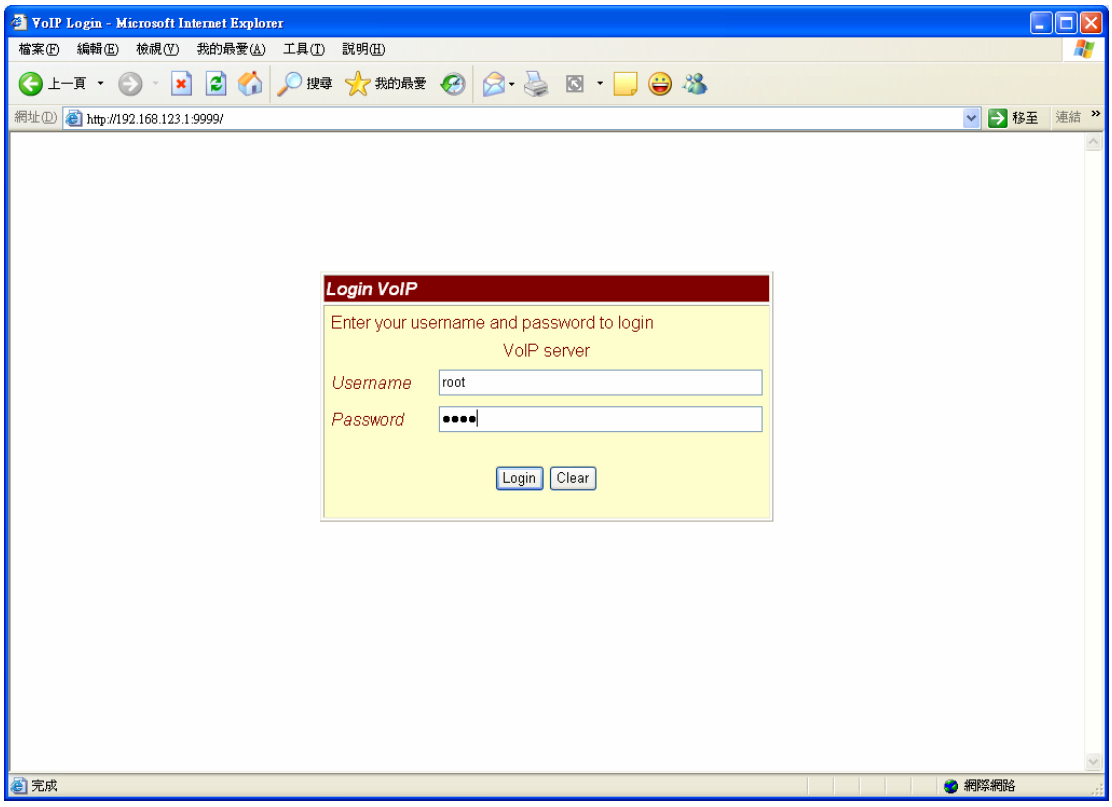
4.Using the configuration web page：

(1) Open web browser (Internet Explore, for example) on your PC,
Types in http://device_IP_address:9999/ to enter the configuration web page,

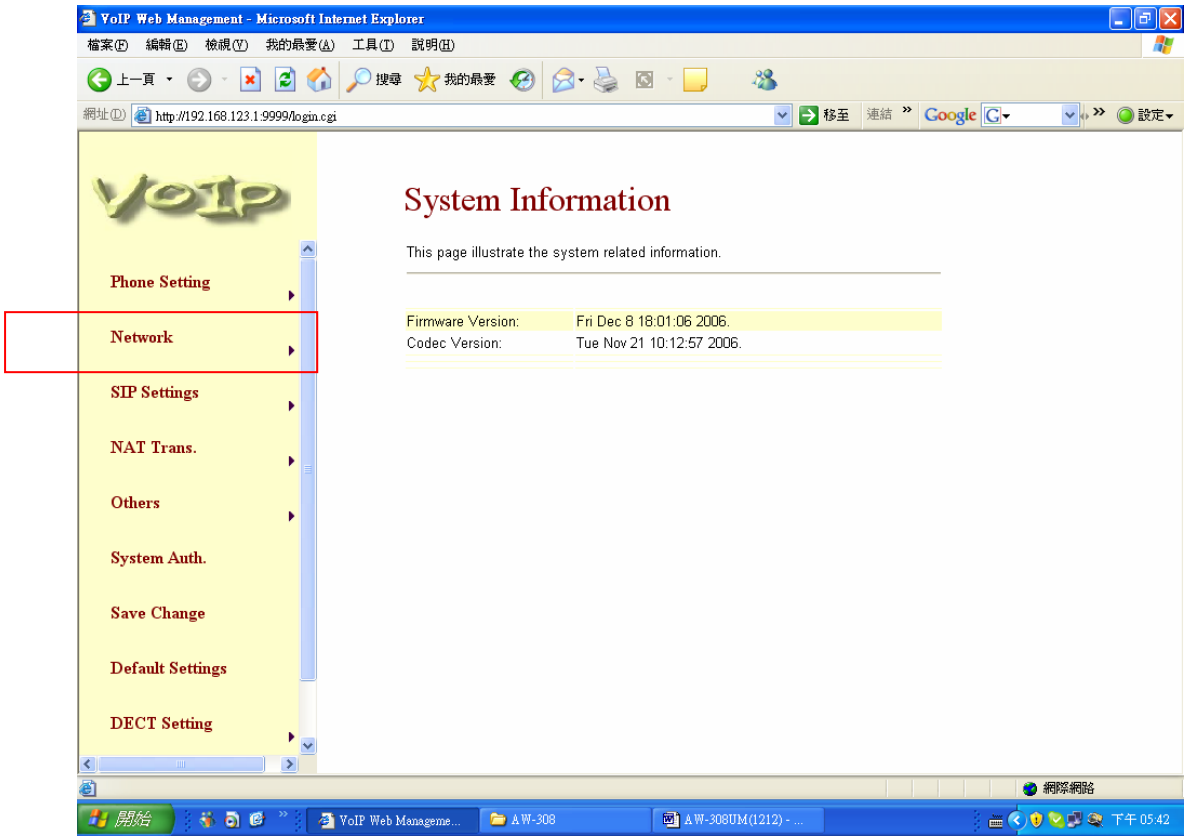
Notes:

- The “device_IP_address” could be a LAN port IP address (192.168.123.1) for AW207 only and also could be a WAN port IP address (is assigned by DHCP server or set to a fixed IP) for AW207 .
- One can get (hear) the allocated WAN port IP address through the DECT handset by issuing the command off-hook -> #126#.

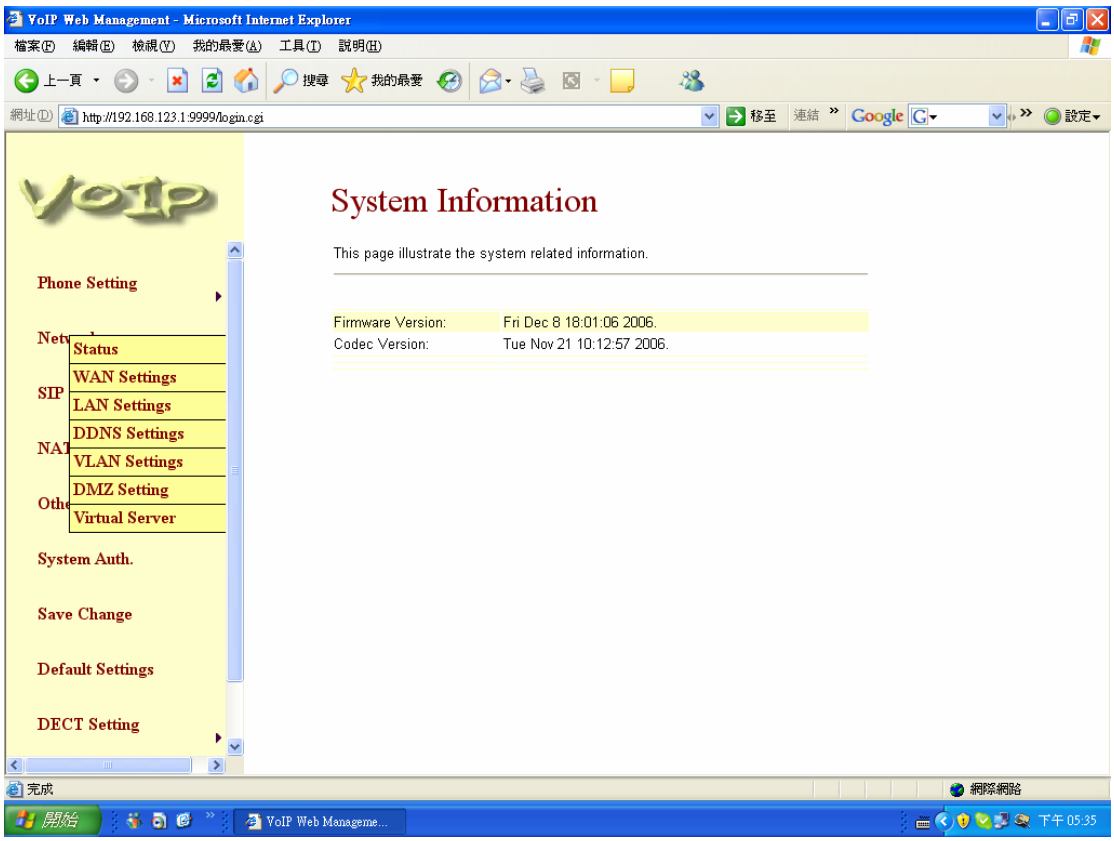
then pop-up the window as follows.
Type “root” in User Name field →Type “test” in Password field →Click “Login”



(2) In the following window, Click “Network”.



(3) In the following window, Click ” WAN Settings”



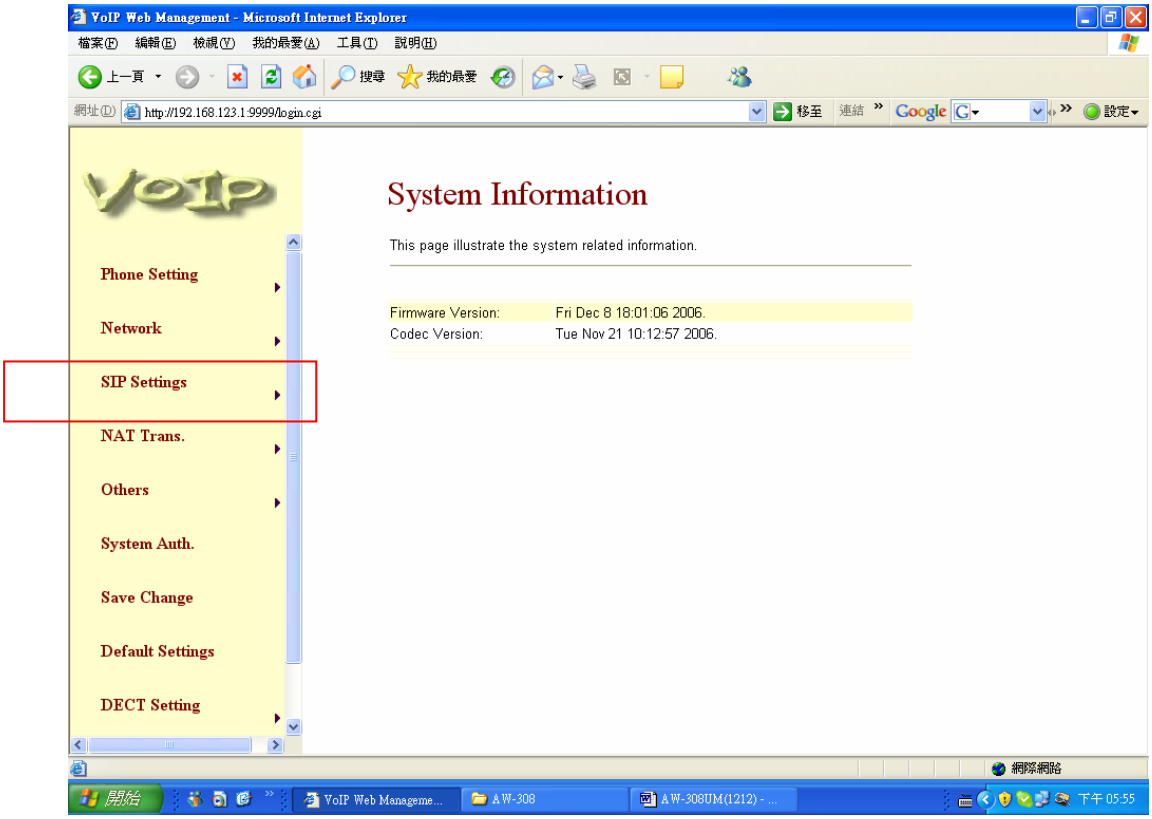
(4) In the WAN Settings window,

A. In DSL internet connection without Router mode and ADSL with dynamic IP address, choose PPPoE option. (Most DSL users will select this option)
Type the PPPoE user name which is provided by your ISP→ Type the Password→ Click “Submit”.

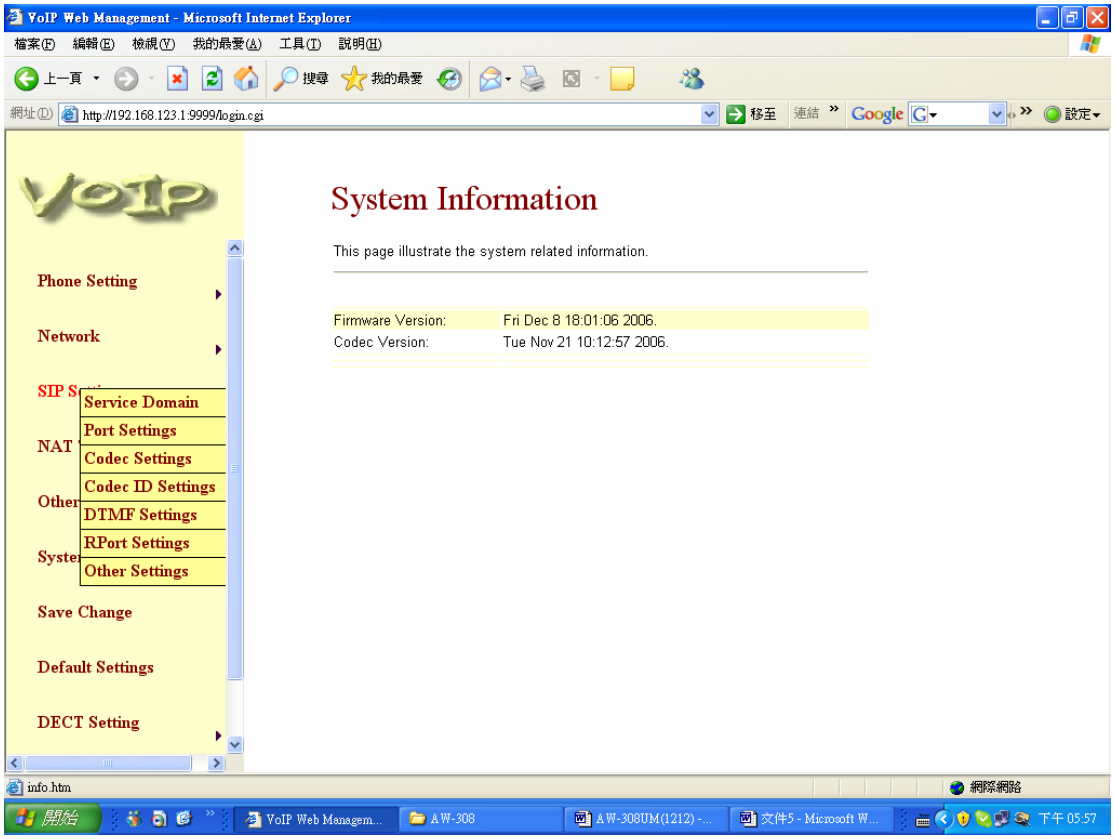
B. In DSL internet connection with Router mode:
Choose “DHCP Client” option→ Click “Submit”.

C. In DSL internet connection without Router mode and ADSL with fixed IP address, choose” Fixed IP” option:
type IP Address 、 Mask、 Gateway Address、DNS Server1 Address、DNS Server2 Address which are provided by your ISP, and Click “Submit”.

(5) the following window will be showed up, then click “SIP Settings”.



(6)In the following window, click” Service Domain”

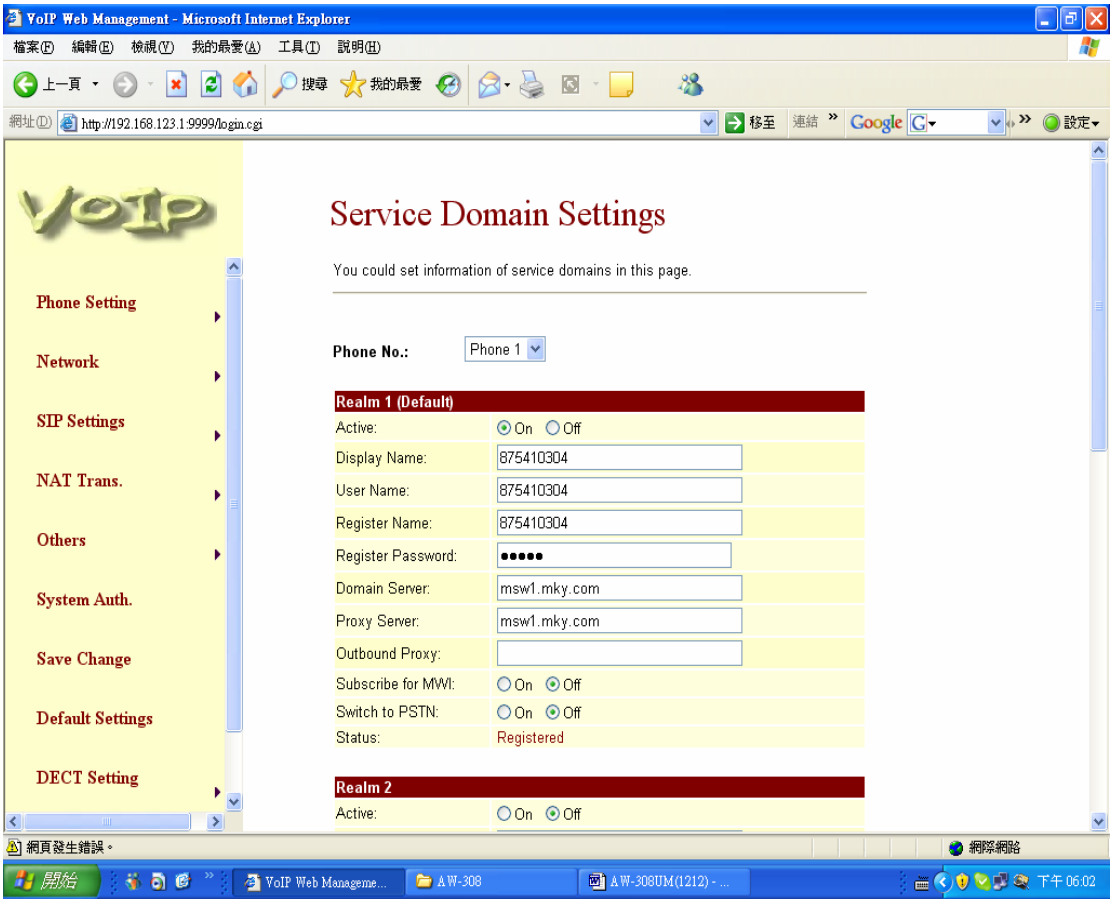


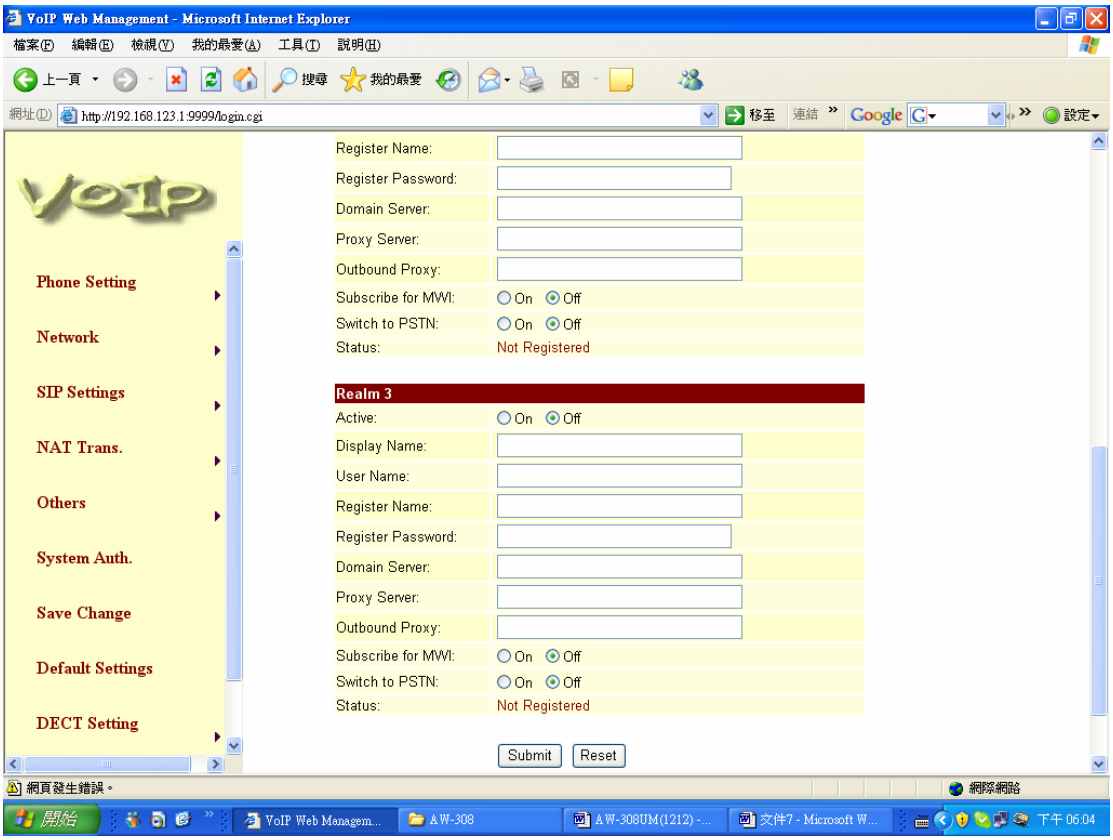
(7) In the following window,

Select “Phone1 “in “Phone No: “field. →Select “On” in “Active:” field. →Type display name、user name、register name、register password、domain server and proxy server in respective field.→ Click ” Submit ”. The settings of Phone2 are the same as Phone1.

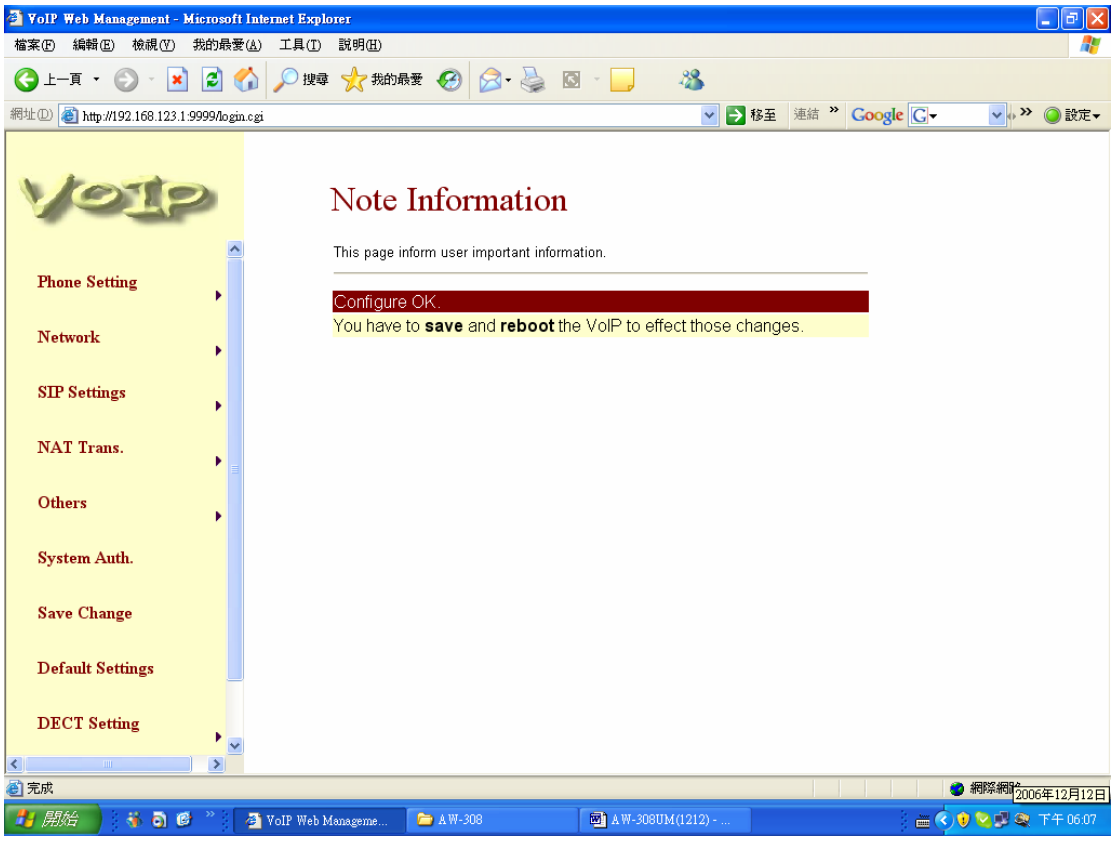
Note: 1. Up to three service domains could be selected for each phone.

2. Switch to PSTN: One can set the device to switch the VoIP calls from a SIP account (a Realm) to the FXO port (the PSTN) by clicking the “Switch to PSTN” “On”.

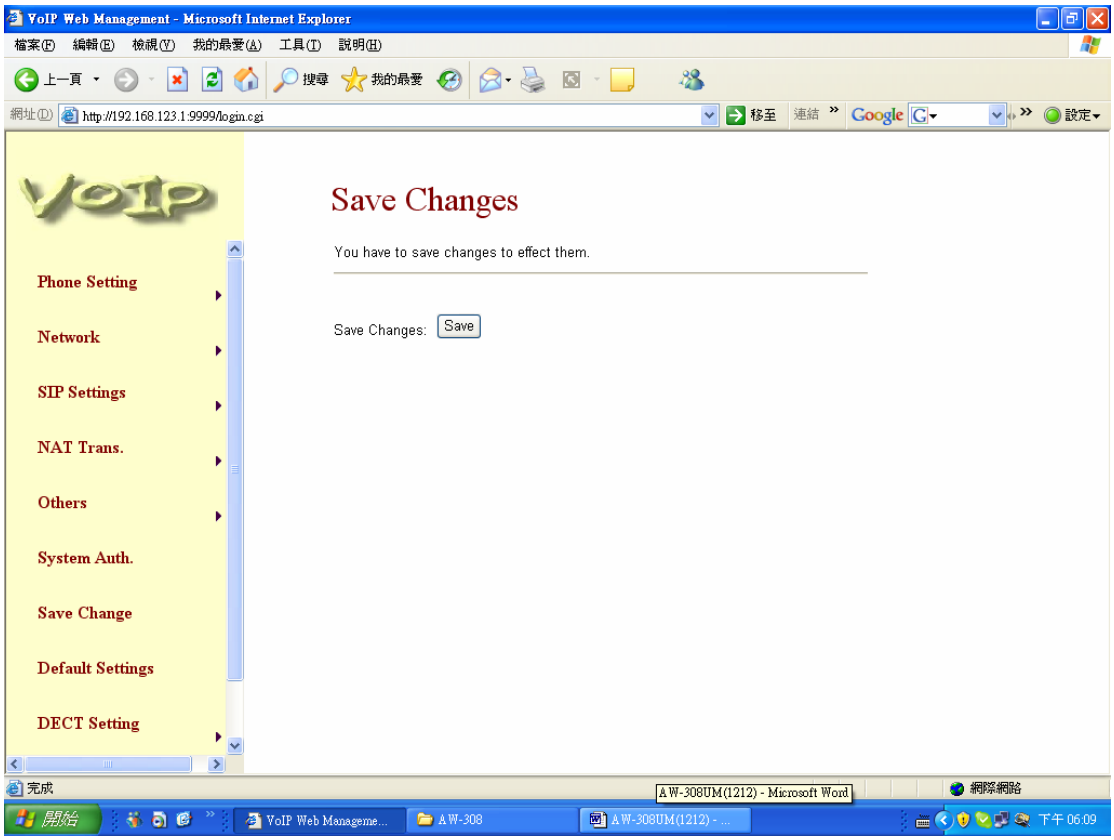

VoIP Web Management - Microsoft Internet Explorer
http://192.168.123.1:9999/login.cgi
Service Domain Settings
You could set information of service domains in this page.
Phone No.: Phone 1
Phone Setting
Network
SIP Settings
NAT Trans.
Others
System Auth.
Save Change
Default Settings
DECT Setting
Realm 1 (Default)
Active: On Off
Display Name: 875410304
User Name: 875410304
Register Name: 875410304
Register Password: ●●●●●
Domain Server: msw1.mky.com
Proxy Server: msw1.mky.com
Outbound Proxy:
Subscribe for MWI: On Off
Switch to PSTN: On Off
Status: Registered
Realm 2
Active: On Off


VoIP Web Management - Microsoft Internet Explorer
http://192.168.123.1:9999/login.cgi
Register Name:
Register Password:
Domain Server:
Proxy Server:
Outbound Proxy:
Subscribe for MWI: On Off
Switch to PSTN: On Off
Status: Not Registered
Realm 3
Active: On Off
Display Name:
User Name:
Register Name:
Register Password:
Domain Server:
Proxy Server:
Outbound Proxy:
Subscribe for MWI: On Off
Switch to PSTN: On Off
Status: Not Registered
Submit
Reset

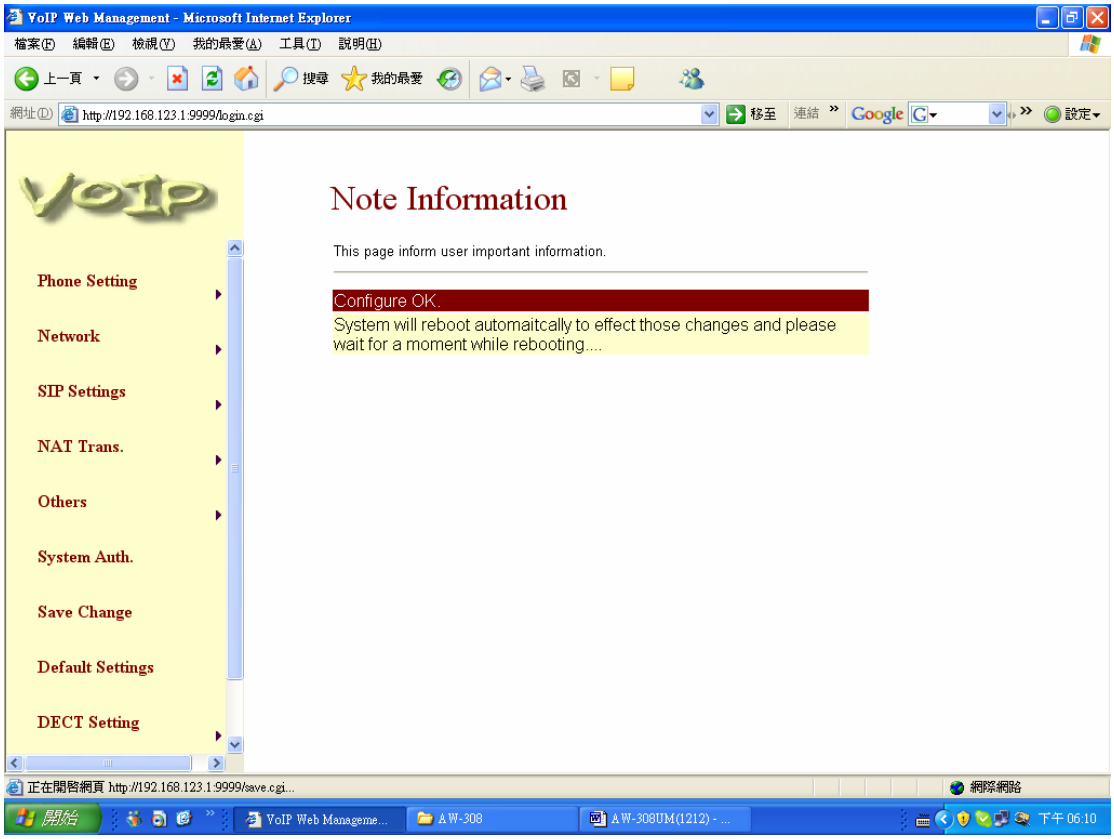
(8)The following window will be showed up, then click “Save Change “.



(9)In the following window, click” Save “button.



(10)The window as following will pop-up, please wait a moment for rebooting.



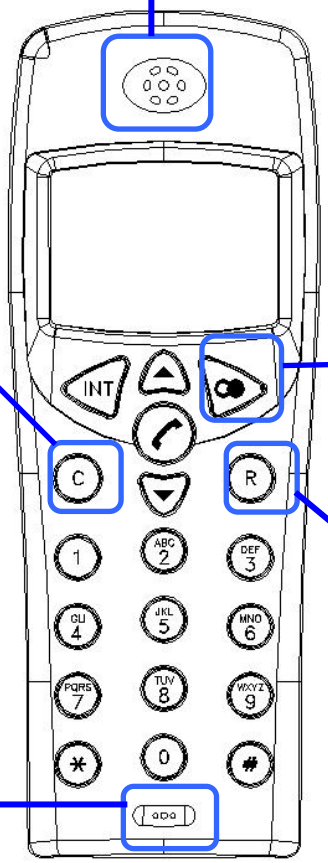
(11) AW207 has been restarted already and all LED indicators will be off, after few seconds, “VOIP” LED indicator will be light always. That means AW207 has been set up successfully and users can make a VoIP phone call. But “IN USE” LED indicator will be off normally, Whenever AW207 has been hanged off, it will be light. If AW207 has been hanged on again, then “IN USE” LED indicator will switch to be off.

Basic Function

Handset

Ear Speaker

High quality speaker for privately hearing telephone calls. Another, larger speaker is on the rear of the handset for use as a speakerphone



Clear/Mute

Use this button to clear an input，return to last menu item，mute the microphone while you are making a telephone call

Last Numbers Dialed

Press this button to view the last 3 telephone numbers dialed. To scroll through the last 3 numbers dialed, press this button repeatedly.

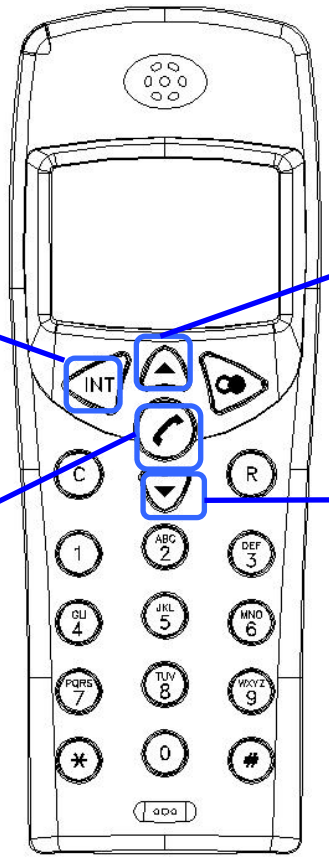
Power On/Off

It is used to power on the handset or power the handset off by holding the button for several seconds.

Microphone

Sensitive microphone for making your voice clearly heard.

Handset (continued)



INT

It is used to make an Internal call，transfer an external call and select menu items.

Scroll Up

Use this button to open the Phone Book when the handset is idle. Pressing this button during a telephone call will increase the volume.

VoIP Call

Use this button to initiate or answer a VoIP telephone call and hang up the call. It is also used to switch the handset to speakerphone mode by holding the button down for several seconds until the speaker icon appears in the display

Scroll Down

Use this button to open the Handset's setup and information menus.

.Pressing this button during a telephone call will decrease the volume.

Handset Icon

The LCD display of the AW207 handset can display various icons (at the top of the display) to indicate the operational status of the telephone. These icons are described in the table below.

Icons that indicate the operation of the handset are shown in this area
Information such as connection status and telephone numbers are shown in this area
HS 1
Base 1

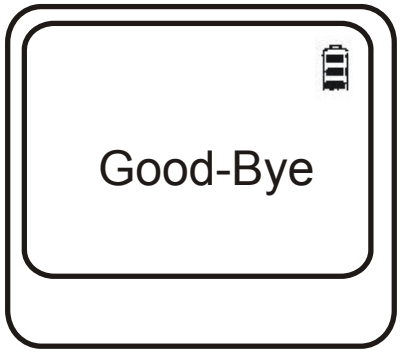
Icon	Description
	Signal Strength Indicates the current signal strength between the handset and the base – more bars indicate higher signal strength. This icon is always displayed when the telephone is on.
	In Use Displayed when the telephone is in use (i.e., a telephone call is in progress).
	Speakerphone Indicates the handset is in speakerphone mode.
INT	**Intercom** Indicates the handset is in intercom conversation mode.
	Operation Mode Displayed when the handset is in operation mode.
	Caller ID Indicates a new call. To view the caller, access the Caller ID menu.
	Battery Status

	Indicates the relative charge state of the handset's batteries – more bars indicates a higher level of battery charge. During the charging cycle, this icon will flash. This icon is always displayed when the telephone is on.

Turning the Handset On and Off

When you place the handset in the charger to charge, it is automatically turned on. The handset is now ready for use.

To turn the handset off, press the Ⓡ button until "**Good-Bye**" appears in the handset's LCD display, as shown below.



The handset will then turn off and the display will become blank.
Please note: nothing will appear in the handset's LCD display when the battery power is very low.
When you first turn on the handset, the initial screen displays the handset number and the base number or base name (if you have a name saved for the base).

In the case shown above, the display indicates that this is handset 1 (**HS 1**) and base 1 (**Base 1**).
In this case, the AW207 has registered with the SIP server and is ready to make and receive VoIP telephone calls, to other VOIP phone numbers, over

the Internet.
If you have established an account, you can make VoIP telephone calls to almost any regular telephone for a much reduced cost.

Making a VoIP Call

Pick up the handset and press button (Dial Tone button). You will hear the dial tone and the handset icon will appear in the handset's LCD display.
Dial the number you want to call. The handset's LCD will display the phone number as you enter it. This number is also dialed as you enter it.
To end the call, either press button or replace the handset on the charger.

Making a Call to the PSTN (regular telephone network)

If you have connected your PSTN line to the AW207's Base, you can make a telephone call to any regular telephone using the PSTN – normal telephone usage charges will apply – by following these steps:
Pick up the handset and press button, and press ** again. You will hear the familiar PSTN dial tone whether VoIP is ready or not. The handset and L1 icon will appear in the handset's LCD display.
Dial the number you want to call. The handset's LCD will display the phone number as you enter it. This number is also dialed as you enter it.
To end the call, either press button or replace the handset on the charger.

If you have connected your regular phone and PSTN line to the AW207's Base, you can still make a PSTN call using regular phone while the AW207's Base has power failure.

Receiving a Call

When an incoming PSTN or VoIP telephone call is detected, the handset will ring and the L1 icon will be displayed in the LCD. If the caller can be identified, the caller's number or Buddy List entry will be displayed. If the caller's telephone number is currently stored in the handset's phone book, the caller's name will be displayed along with the telephone number.
To answer the call, simply pick the handset up from the charger base – or press the button, if the handset is not in the charger.
To end the call, either press the button or replace the handset on the charger.

If the AnyKey function is activated, you can press any button on the keypad to answer an incoming telephone call.

Last Number Redial

The handset stores the last three telephone numbers you have dialed.
To view and retrieve the last three numbers you have dialed, press the button. To scroll through the list, press the button repeatedly.

Muting the Microphone

While making a call, you can mute the microphone. This is useful if you want to speak to a person next to you without the other party on the line hearing the conversation.

To mute the handset's microphone, press the © button until the Mute icon will appear in the display. To un-mute the microphone, press the Clear/Mute button a second time until the Mute icon disappear.

Using the Speakerphone

While making a call, you can engage the handset's built in speaker to make both ends of the conversation audible to several people on your end of the line. To activate the speakerphone press and hold the button until the speakerphone icon is displayed and you can hear the activity on the line from the speaker built in to the back of the handset. To deactivate the speakerphone, press the button until the speakerphone icon disappears. The handset can then be used normally.

Adjusting the Volume Level

While making a call, you can adjust the earpiece volume level from 1 to 9. A higher number indicates a higher volume level.
To adjust the volume level, press ▽ or △ button during a telephone call

Paging

You can page the handset from the base unit to locate lost handsets easily.

1. Press page button on the front panel of AW207 base.
   Result: The lamp on the handset blinks and all handsets registered to the base ring for about 20 seconds.
2. To stop paging, press page button once more.

Note:

- If a call comes in while the handset is being paged, the handset stops paging and the phone rings.

Call Transfer

Blind Transfer

When user-A and user-B are in a VoIP call. User-B wants to make the blind call transfer to user-C. The operating procedure are listed below:

i. User-B presses <R> key (Flash) to get dialing tone and hold the user-A communication.
ii. Type-in “#510#” to enter the call transfer state.
iii. Type-in SIP account number of user-C (ex. 0702151xxx) and end by press the <#> key.
iv. The user-C is ringing and system is ringing back to user-A.
v. User-C off-hooks to pick up the VoIP call communication with user-A.

Attendant Transfer

When user-A and user-B are in a VoIP call. User-B wants to make the attendant call transfer to user-C. The operating procedure are listed below:

1. User-B presses <R> key (Flash) to get dialing tone and hold the user-A communication.

2. Type-in “#511#” to enter the call transfer state.
3. Type-in SIP account number of user-C (ex. 0702151xxx) and end by press the <#> key.
4. The user-C is ringed and system is ringing back to user-B.
5. User-C off-hooks to pick up the VoIP call communication with user-B.
6. User-B on-hooks to terminate the phone call and user-C will connect the call with user-A.

3-party conference call

When user-A and user-B are in a VoIP call. User-B wants to make a 3-party conference call with user-C. The operating procedure are listed below:

1. User-B presses <R> key (Flash) to get dialing tone and hold the user-A communication.
2. Type-in “#512#” to enter the 3-party call state.
3. Type-in SIP account number of user-C (ex. 0702151xxx) and end by press the <#> key.
4. The user-C is ringed and system is ringing back to user-B.
5. User-C off-hooks to pick up the VoIP call communication with user-B.
6. User-B presses the <R> key to start the conference call with user-A and user-C.

Call Waiting

When user-A and user-B are in a VoIP call. User-B can press the <R> key to hold the user-A call communication and pick up new incoming call from user-C. Now user-B can press <R> key again to switch the call connection to user-A. And also can switch back from user-A to user-C by pressing the <R> key.

Phone Book

It allows you to store the name of frequently Contact persons and their phone numbers in your personal directory. Therefore, you can quickly make a call without entering the phone number.
You can store up to **50** PSTN Contact names (up to12 characters) and their phone numbers (up to 24 digits).
In standby mode, press button to display the main menu. Then press button to access to **Phone book**. Press button to enter the submenu.

Then:

Storing a Phone Number & Contact Name

The cursor is in front of **Add**.

1. Press button to confirm and Display shows **Name:**.
2. Enter the name (refer to Character Map).
3. Press button to confirm and Display shows **Number:**.
4. Enter the number (refer to Character Map)
5. Press button. A confirmation tone will be heard and Display shows **Stored**.

Note:

- You can choose not to enter the name. When Display shows **Name:**, press button to skip.

Updating Your Phonebook

1. Press or button to choose **Edit**. And press button.
2. Press or button to find the phonebook entry that you want to change and press button.
3. Change the name when the desired entry displays, and press button to

confirm (refer to Character Map).

4. Change the number when the desired entry displays, and press button (refer to Character Map). A confirmation tone will be heard and Display will show **Stored**.

Viewing Stored Entries

The cursor is in front of **View**

1. Press button
2. Press or button to scroll through the phonebook entries.

Note:

- If there are no entries, Display shows **Empty** and exits 2 seconds later.

Erasing Entries from Phonebook

Erasing a single entry from phonebook

1. Press or button to choose **Delete**. And press button
2. Press or button to find the phonebook entry that you want to erase.
3. Press button to confirm and Display shows **Sure?**
4. Press button to erase, then a confirmation tone will be heard.

Or

Press © button to cancel and exit.

Erasing all entries from phonebook

1. Press or button to choose **Erase All**. And press button. Then Display shows **Sure?**
2. Press button to erase, then a confirmation tone will be heard.

Or

Press © button to cancel and exit.

Dialing a Number in Phone Book

1. Find the phonebook entry that you want to dial (refer to Viewing Stored Entries).

2. Press button to dial out.

Character Map

Press the button labeled with the required character.

- Once for the first character
- Twice for the second character and so on

The list of characters is shown as below:

Button \ Times	1X	2X	3X	4X	5X
1	1		<	>	-
ABC 2	Aa	Bb	Cc	2	)
DEF 3	Dd	Ee	Ff	3	:
GHI 4	Gg	Hh	Ii	4	+
JKL 5	Jj	Kk	Ll	5	*
MNO 6	Mm	Nn	Oo	6	#
PQRS 7	Pp	Qq	Rr	Ss	7
TUV 8	Tt	Uu	Vv	8	.
WXYZ 9	Ww	Xx	Yy	Zz	9
0	0	Ææ	Ää	Öö	Üü

Note:

- Enter the same character twice (or a different character on the same button), wait for a few seconds to select the next character.

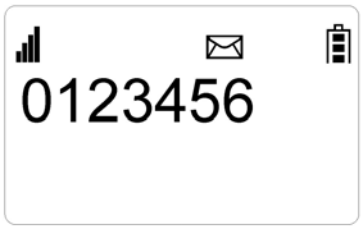
- To delete the entered character or digit, press © button.

- Press the * button to change a character from upper case to lower case or vice versa.

Caller ID

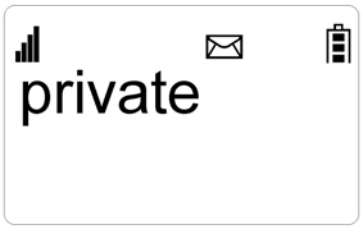
When you receive a call, the caller's phone number will be displayed if your local telephone company provides the Caller ID service. The last 50 received calls will be stored in the Caller ID list, including missed calls and incoming calls. You may make the call directly from the Caller ID.

The Caller ID icon ✉ appears when there is any new missed call. Once you have viewed the number, the icon will disappear.



Note:

- If the caller didn't release his name and phone number, Display will show **private**.
- If the caller is from an area where the telephone company doesn't offer the Caller ID service or couldn't deliver caller's name and number to your area via the long distance network, Display will show **out of area**.
- If the number has been stored in the phonebook, when a call is incoming, Display will show the number together with the name.



Viewing Caller ID Numbers

1. Press button to display the main menu.
2. Press or button to choose **Caller ID**. And press button.

   Result: Display shows the latest Caller's number (or together with the name).
3. Press or button to scroll to the Caller ID number.

Note:

- If there is no Caller ID's record, Display will show **Empty**.

Erasing All Caller ID Numbers

1. Press button to display the main menu.

2. Press or button to choose **HS Setting**. And press button.

3. Press or button to choose **Erase CID**. And press button. Then Display shows **Sure?**.

4. Press button to erase all Caller ID numbers.

   Or

   Press © button to cancel and exit.

Dialing a Caller ID Number

1. Find the Caller ID number that you want to dial (refer to Viewing Caller ID Numbers).
2. Press button to dial out.

The Multi-handset System

You can register the additional handsets (up to 6) to your base station. With at least 2 registered handsets, you can:

- **Make an intercom call** from one handset to another
- **Transfer an external call** from one handset to another
- **Set up a three-way Conference Call** (one PSTN call with Internal call, such as **HS 1** and **HS 2**)

Making an Internal Call

1. Pick up the handset, such as **HS 1** and press INT button.

   Result: You hear a dial tone and these icons appear on Display as below.

2. Enter the desired handset's number. For example, pressing **2** means you would like to reach to **HS 2**.

   Result: Display shows synchronously the number you entered, and the desired handset rings.

3. The desired handset can press button to answer the internal call.

4. Press button to terminate the call.

Transferring an External Call

When you are making or answering an external call, you can transfer it to another handset.

For the calling handset:

1. Press INT button and enter the desired handset number.

   Result: The desired handset rings.

2. If the desired handset was picked up, press button to hang up.

For the desired handset:

When the handset rings, Press button to answer an incoming call.

Note:

- If the desired handset doesn't answer it, press INT button to cancel the transfer.
- If the calling handset doesn't hang up, the external call is not able to be transferred.

Setting Up a Three-Way Conference Call

When you have an external call and an intercom call in process (refer to Transferring an External Call), you can set up a three-way Conference Call, like this:

Press and hold # button of the calling handset till the called handset number disappears from Display, and then a three-way Conference Call is set.

Registering a New Handset

The supplied handset with the base station is already registered as the handset number 1, **HS 1**. Each additional handset must be registered to the base station.

Note:

- A handset can be registered to up to 4 different base stations. And a base station can be set with up to 6 handsets.
- To register a new handset with the registered handset

1. To get the registered handset, Press ▽ button to display the main menu.
2. Press ▽ button to choose **BS Setting**. And press INT button.

   Result: Display shows first **Waiting…** then **MASTER PIN**.
3. Enter the master pin you have set (default: 1590). And press INT button.

   Result: A confirmation tone is heard, and display shows the submenu.
4. To enter into menu BASE Cfig. By press INT button.

   Result: A confirmation tone is heard, and display shows the submenu of New HS.
5. To choose menu of **New HS**. And press INT button.

   Result: Display shows **Sub PIN:**.
6. Enter the sub pin you want to set (default: 1590), then press INT button to

confirm.

Result: Display shows **New HS: M23456**

7. To enter into the new handset of number of 2~6.

Result: A confirmation tone is heard, and display shows “Ready”, It means the base is ready to register a new handset.

8. To pick up the new handset you want to register, Press or button to choose HS Register. And press button.

9. To select Base 1,or base 2 or base 3 or base 4, Press button to choose base number. And press button.

Result: A confirmation tone is heard, and display shows “Searching”

10. The new handset will display PIN menu, Enter the pin you want to set (default: 1590), then press button to confirm.

11. The new handset will display base number and HS number after the registration is ready.

De-Registering a Handset

You can deregister a handset with the registered handset. But ALL registered handsets must be in standby mode.

1. Press button to display the main menu.

2. Press or button to choose **BS Setting**. And press button.

   Result: Display shows first **Waiting…** then **MASTER PIN**. (default: 1590)

3. Enter the master pin you have set, and press button.

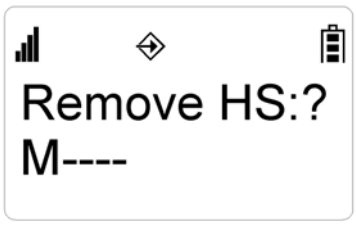
   Result: A confirmation tone is heard, and Display shows the submenu.

4. To enter into menu BASE Cfig. By press button.

   Result: A confirmation tone is heard, and display shows the submenu of New HS.

5. Press or button to choose **Remove HS**. And press button.

   Result: Display shows as follows:



Note:

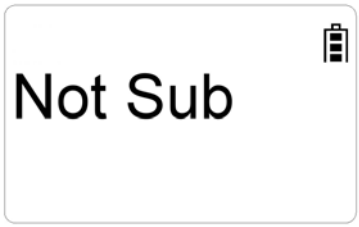
- The current status will be shown as the following format, "−−−−−". Each position of the cursor stands for the status of the correspondent handset. "**M**" means this handset is in setting mode. "−" means that it's not registered yet. (For example: "**M23**−−" means that there are up to 3 handsets registered to this base and the **HS 1** is in setting mode.)
- The handset in setting mode can not be deregistered.

6. Enter the handset number you want to deregister.
   Or

   Press Ⓒ button to exit.

7. Press INT button. A confirmation tone will be heard.

   Result: Display of the deregistered handset shows **Not Sub**.



Choosing a Base station

Your handset can be registered up to 4 different base stations. You can select the base you want to use by following the steps as below:

Note:

- To use the handset with more than one base station, the handset must be registered to each base station (refer to Registering a New Handset).

1. Press ▽ button to display the main menu.

2. Press ▽ or △ button to choose **Select Base**. And press INT button.

   To select the Base Automatically:

3. Press ▽ or △ button to choose **Base Auto**. And press INT button to confirm.

Note:

- In this mode, the handset will automatically select the base station having the strongest signal.

  To select the base manually:

3. Press or button to select the desired base number. And press button to confirm.

Handset Setting

With the **HS Setting** menu, you can customize the various settings for the handset such as the handset name (or User Name), display language and hot call…etc.

In standby mode, press button to display the main menu. Then press or button to access to **HS Setting**. And press button to enter the submenu.

Then:

Setting External Ring Melody and Volume

You can select your own external ring melody and volume. There are 9 ring melodies and 9 volume levels for option.

1. Press or button to choose ***Melody Ext..***
2. Press button to confirm.

   Result: The default ring melody mode shows up and rings.
3. Press or button to choose the ring melody you want, then press button to confirm.

   Result: The default ring volume level shows up and rings.
4. Press or button to choose the volume level you want.

   Result: Each time you press or , the handset rings the melody and volume you have chosen. The higher level you choose, the louder the volume.
5. Press button. A confirmation tone will be heard.
6. To exit, press © button.

Setting Internal Ring Melody and Volume

You can select your own internal ring melody and volume. There are 9 ring melodies and 9 volume levels for option.

1. Press ▽ or △ button to choose ***Melody Int.***. And press INT button to confirm.
   Result: The default ring melody mode shows up and rings.

2. Press ▽ or △ button to choose the ring melody you want, then press INT button to confirm.
   Result: The default ring volume level shows up and rings.

3. Press ▽ or △ button to choose the volume level you want.
   Result: Each time you press ▽ or △ , the handset rings the melody and volume you have chosen. The higher level you choose, the louder the volume.

4. Press INT button. A confirmation tone will be heard.

5. To exit, press © button.

Setting Key Tone

Normally, whenever you press any button on the handset, you hear a beep tone. You can deactivate this function if you like.

1. Press ▽ or △ button to choose ***Set keytone***. And press INT button.
   Result: Display shows ***On*** or ***Off***.

2. Press ▽ or △ button to choose ***On*** or ***Off*** to activate or deactivate this function.

3. Press button. A confirmation tone will be heard.

Result: Display shows what you have set, ***Click on*** or ***Click off*.**

3. To exit, press © button.

Setting Handset Name

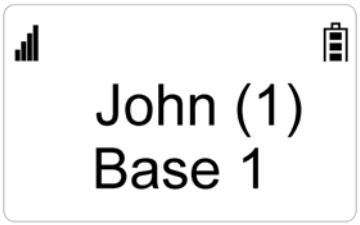
Following the steps as below, you can set your handset name. The handset name displays in standby mode.

1. Press or button to choose **User Name**.

2. Press button and Display shows **Name:**

3. Enter the name (refer to Character Map).

4. Press button and a confirmation tone will be heard.



Changing Handset PIN

The handset PIN is for registration, personalization and reset. The default PIN is **1590**. You can replace it with the number easy to be remembered for you.

1. Press or button to choose **Set PIN**.
2. Press button to confirm and Display shows **HS PIN:**.
3. Enter the current handset PIN (default 1590). And press button to confirm.
4. Display shows **New PIN:** Enter the new PIN, and press button to confirm.
5. Display shows **Re-type:** Enter the new PIN again, and press button. A confirmation tone will be heard.

Setting Auto Answer Function

Auto Answer function allows you to answer an incoming call without pressing any button. The only thing you have to do is to pick up the handset from the base (like a wired phone).

To activate the function:

1. Press ▽ or △ button to choose **Auto Answer**. And press INT button.
2. Press ▽ or △ button to choose **On**. And press INT button. The confirmation tone will be heard.

To deactivate the function:

1. Press ▽ or △ button to choose **Auto Answer**. And press INT button.
2. Press ▽ or △ button to choose **Off**. And press INT button. A confirmation tone will be heard.

Setting Any Key Talk Function

When activate Anykey Talk function, you can answer an incoming call by pressing any button, except INT and function key (©, ▽, △ and ®)

To activate the function:

1. Press ▽ or △ button to choose **Anykey Talk**. And press INT button.
2. Press ▽ or △ button to choose **On**. And press INT button. A confirmation tone will be heard.

To deactivate the function:

1. Press ▽ or △ button to choose **Anykey Talk**. And press INT button.
2. Press ▽ or △ button to choose **Off**. And press INT button. A confirmation tone will be heard.

Choosing Language

You can select the display language. Five different languages are available. They are English, Germany, Italian, French and Spanish.

1. Press ▽ or △ button to choose **Language**. And press INT button.

Result: The cursor is in front of the current setting on Display.

2. Press or button to select the language you want to display. And press button. A confirmation tone will be heard.

Resetting Handset

When you reset the handset, all the user-selectable features including Phonebook, Incoming and outgoing calls list…etc., return to the default setting at the time of purchase.

1. Press or button to choose **Set Default**. And press button.
2. Display shows **HS PIN:** Enter the handset PIN. And press button.
   Result: Display shows **Sure?**
3. Press button to confirm

   Or

   press © button to cancel and exit.

Base Setting

The ***BS Setting*** function allows you to customize your base. The base PIN (Personal Identification Number) is required to access this menu.

In standby mode, press button to display the main menu and access the **BS Setting** submenu by pressing or button. Then press button to confirm. Display shows **Waiting…** then **PIN:**. Enter the last valid base PIN (default: 1590). Press button to confirm.

Then:

Choosing BASE Cfs or VoIP Cfs

Base Configuration

Registering a New Handset

De-Registering a Handset

Changing Base PIN

Tx Gain

Rx Gain

TBR06 Test

Resetting Base

VoIP Configuration

Please see Appendix B -- Configure the device settings using DECT Handset

Changing Base PIN

The handset PIN is for registration, personalization and reset. The default PIN is **1590**. You can replace it with the number easy to be remembered for you.

1. Press or button to choose **Change PIN**, and press button to enter.
2. Display shows **New PIN:** Enter the new PIN, then press button.

   Result: Display won't show the new entered PIN for secrecy.

3. Display shows **Retype PIN:** Enter the new PIN again, then press button.

   A confirmation ton will be heard.

Note:

- If you enter the wrong PIN, a rejecting tone will be heard.
- If there are several handsets registered to the base station, the other handset users can't access the BS Setting menu without having the newly changed Base PIN.

Resetting Base

You can reset all options under the **BS Setting** menu to default setting at the time of purchase.

1. Press ▽ or △ button to choose **BS Default**. And press INT button.

   Result: Display shows as follows:

2. Press INT button to confirm

   Or

   press © button to cancel and exit.

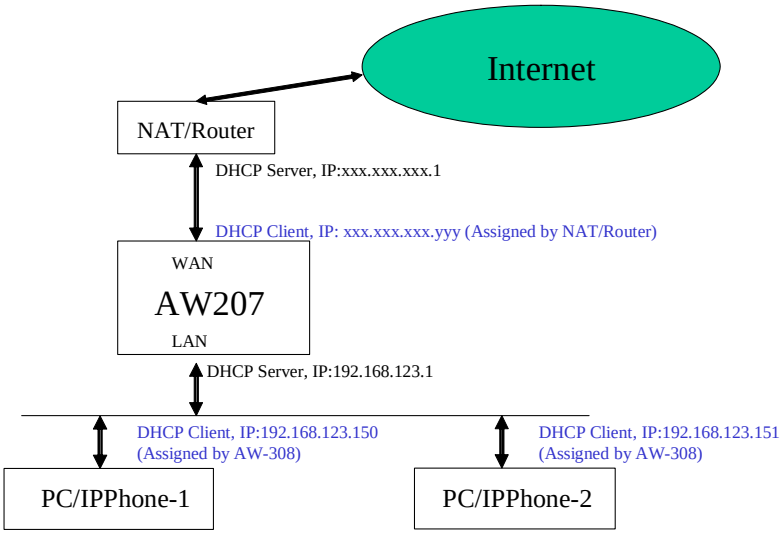
Appendix A -- Configure the device settings using Web Page

Install the AW207 for configuration settings

1. Connects the AW207 LAN port to the LAN interface of PC using a Category 5 LAN cable.
2. Connects AW207's WAN port to a NAT/Router and then connect the PC's Ethernet port to NAT/Router.
3. Connect the **6V, 2000mA DC** power adaptor to the DC-IN socket. VoIP LED will turn light when the IP address get ready.
4. If one attempts to configure the device settings through the WAN port, one must connect the AW207 WAN to a NAT/Router or an ADSL modem and get the IP address from DHCP server. Then hear the WAN port IP address report through handset by typing the handset command #126#.
5. Now the AW207 is ready for doing the configurations.

The following figure shows the IP address assignment of AW207 for reference:

AW207 IP address Arrangement



AW207 has a DHCP server on the LAN port to assign IP address for every DHCP clients. The default subnet address of the LAN port DHCP server is 192.168.123. And It will assign the IP addresses, 192.168.123.150 ~ 200 to its clients. One can change the subnet address and IP address range through configuring the device settings.

To configure the device settings through web browser

Operation procedure:

1 Setup the device and PC Ethernet port connections.

2. Runs the Internet Explorer and types in http://device_IP_address:9999/ to enter the configuration web page.

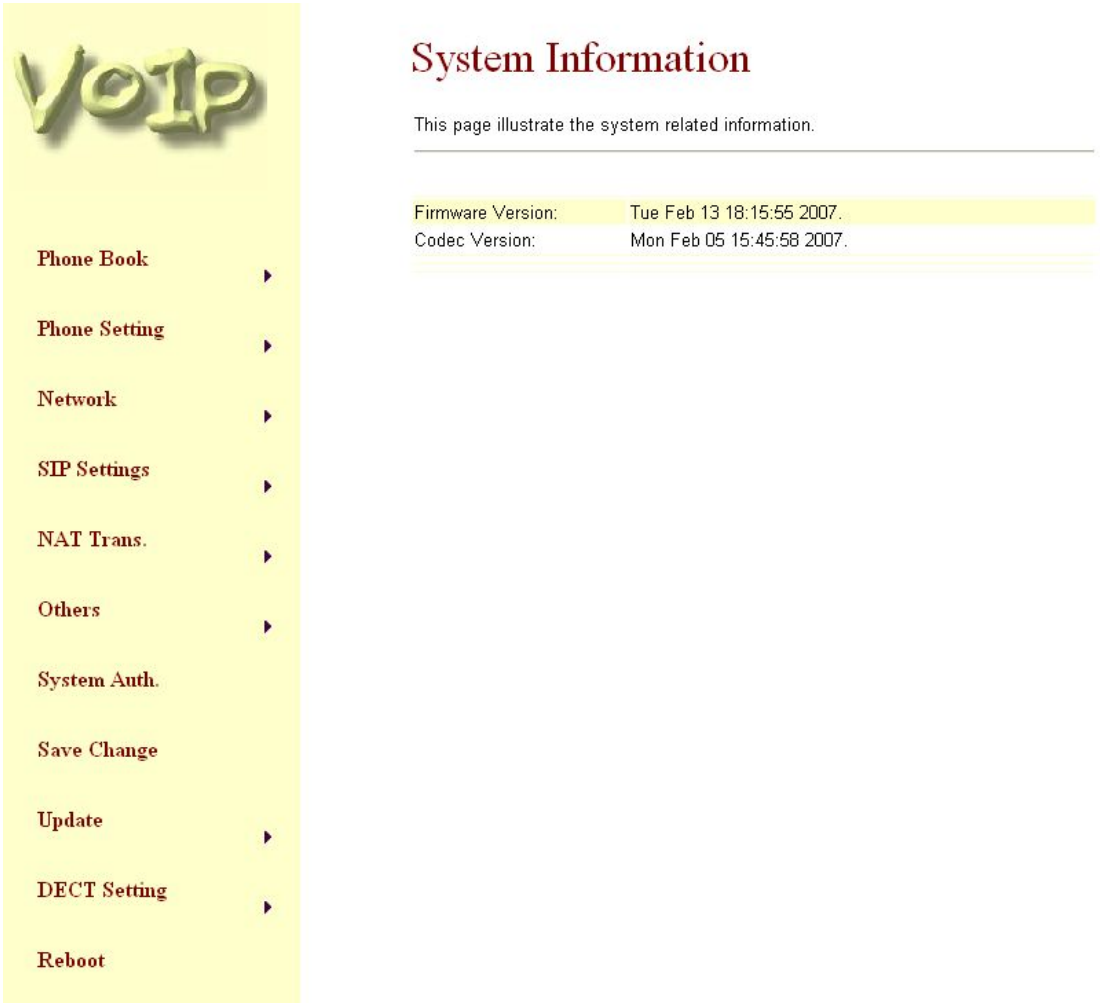
   Notes:

   - The “device_IP_address” could be a LAN port IP address (192.168.123.1) for AW207 only and also could be a WAN port IP address (is assigned by DHCP server or set to a fixed IP) for AW207.
   - One can get (hear) the allocated WAN port IP address through the DECT handset by issuing the command off-hook -> #126#.

3. PC shows the Login page as below.

(The Username and Password are “root” and “test”.)

4. Type in the username and password (“root” and “test”).
5. Enter the VOIP system information page as below.



6. Double-click and activate the web links to do the configurations in this page.
   A. **Phone Book** includes a phone table for speed dialing reference. The table lists up to 14 pages and each page contains 10 IP phone numbers (or URL).

B. **Phone Setting** (Call plans) includes Call Forward, SNTP Settings, Volume Settings, Dial Plan Settings, Flash Time Setting, Call Waiting Setting.
C. **Network** includes Status (setting information), .WAN Settings, LAN Settings, DDNS Settings, VLAN Settings, DMZ Settings, Virtual Server Setting and PPTP settings.
D. **SIP Settings** includes Service Domain settings, Port settings, Codec settings, Codec ID settings, DTMF settings, Rport settings, and Other settings (SIP QoS, etc.).
E. **NAT Trans** includes STUN Settings
F. **Others** includes Auto Config settings, FXO Settings, MAC clone settings and Advanced Settings.
G. **System Auth**. (Authentication) is used for entering the password.
H. **Save Change** is for saving the setting changes and auto reboot the system.
I. **Update Settings** including the "Update Firmware", Auto-Update" and "Default Settings".
J. **DECT Setting** includes the PAGE, Register and Deregister DECT functions.
K. **Reboot** is for re-starting the system.

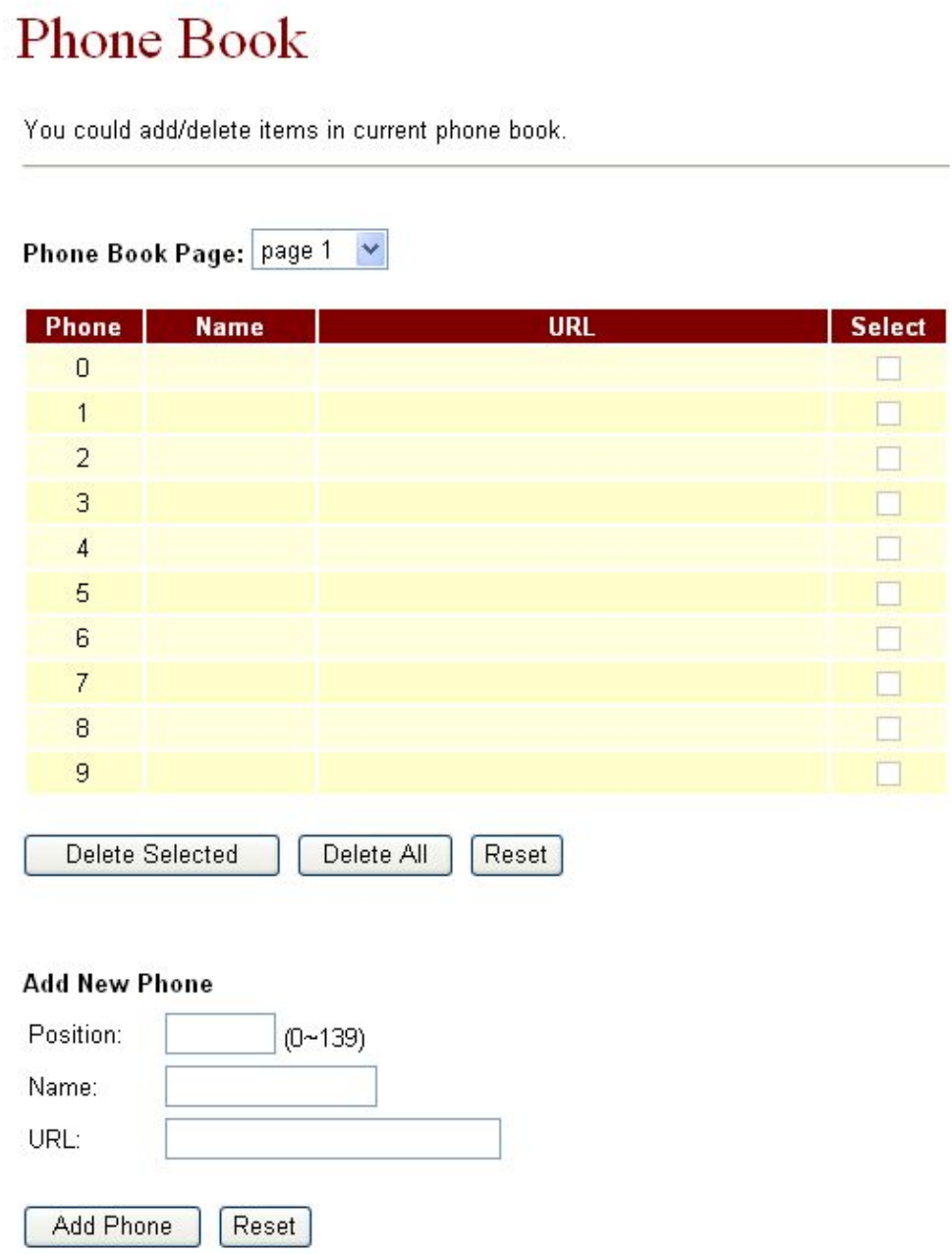
7. One can change the WAN settings, LAN mode (NAT and Bridge) and IP type (Fixed IP, DHCP client and PPPoE), etc. in the "Network" menu.
8. For the AW207, one can also change the LAN settings, the IP address and enabling/disabling DNS server, etc. in the "**Network"** Menu.

To configure the Phone Book settings

This device support a phone book with up to 140 sets of the IP phone account in 14 pages. User can make the index number (Phone item) for speed dialing, give a phone name (Name) for reference and enter the IP phone account number (or URL). Configuration procedures are described as below:

1. Selects and activate the "**Phone Book**" menu to enter "Phone Book Setting" page.
2. Select the desired "Phone Book Page" from page1 to page14.
3. Configure the phone table through "Add New Phone" (the editing block).
4. Or delete the phone book item by checking the "Select" item and press the "Delete Selected" push button.
5. Can also delete all phone book items by press the "Delete All" push button.
6. After filling the "Position", "Name" and "URL" fields, click the "Add Phone"

button to submit the data and then “Save Change” menu to reboot the device as finishing the data entrance.



Notes:

2 “Phone Book Pages” is a selection menu for select up to 14 pages phone tables.

3 Following the “Phone Book pages” is the phone table. Someone can select and “delete” the phone number, and “delete all” phone table settings. And can also enter a new phone number (or URL) through the “Add New Phone”.

4 “Add New Phone” is used for entering a new phone number. The phone number is consisted of an item number (position), a name (phone name) and a specific dialing out number (or URL).

5 The “Reset” push button is reserved.

6 In the “Add New Phone”, the “Position” is defined to the index number of “Phone” item, “Name” is defined to the phone name and “URL” is defined to SIP account number or IP URL.

7 The “Name” field is a number that be used for dialing reference.

8 The “Add Phone” button is used to submit the editing data to the phone book and the “Reset” is for clearing the type-in data.

To configure the SIP phone settings

This device support 2 SIP phone calls simultaneously. The SIP “Phone Setting” menu includes Call Forward, SNTP Settings, Volume Settings, DND Settings, Dial Plan Settings, Flash Time Setting, Call Waiting Setting, Alarm Settings and Prefix to PSTN settings. One can set up an advanced SIP phone call environment through configuring the settings described as below:

1. **The Call Forward settings:**

   Selects the "**Call Forward**" item of "Phone Setting" menu to enter Forwarding Setting page. Then one can set the destination internet URL or PSTN Phone number for forwarding a SIP incoming call, a busy call, no answer call and unconditional forwarding.

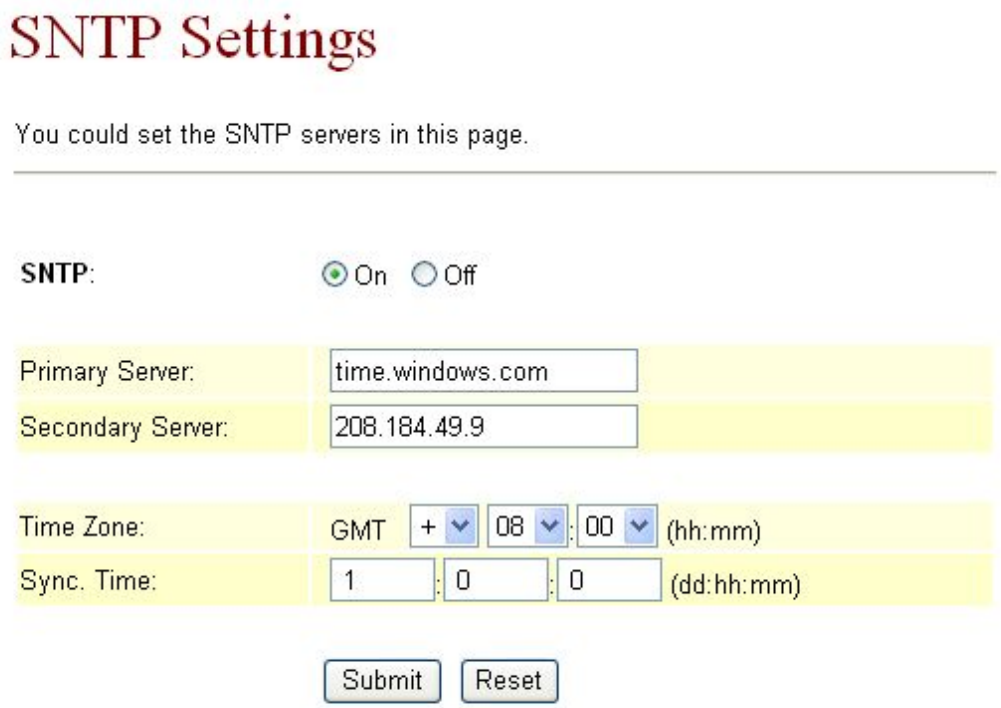
Forward Setting
You could set the forward number of your phone in this page.
All Forward: Off IP
Busy Forward: Off IP
No Answer Forward: Off IP
Name
URL/Number
All Fwd No.:
Busy Fwd No.: 111 875410281@msw1.mky.com
No Answer Fwd No.: 222 875410281@msw1.mky.com
No Answer Fwd Time Out: 5 (2~8 Ring)
Submit
Reset

Notes:

1. "All Forwarding" is an unconditional forwarding for all incoming SIP calls.
2. "Busy Forwarding" forwards the incoming SIP call when the destinations, the DECT voice channels or handsets are in busy.
3. "No Answer Forwarding" will forward the incoming SIP call when the destination didn't answer the incoming call (off-hook for a ring). It defines the "No Answer" condition by counting the ring times.
4. The Name field is reference only. It does not apply to the operations.
5. After filling the desired fields, click the "Submit" button and then "Save Change" menu to reboot the device.

2. The SNTP settings:

Selects the "**SNTP Settings**" item to configure the settings for SNTP (Simple Network Time Protocol) to get the Network Timing.

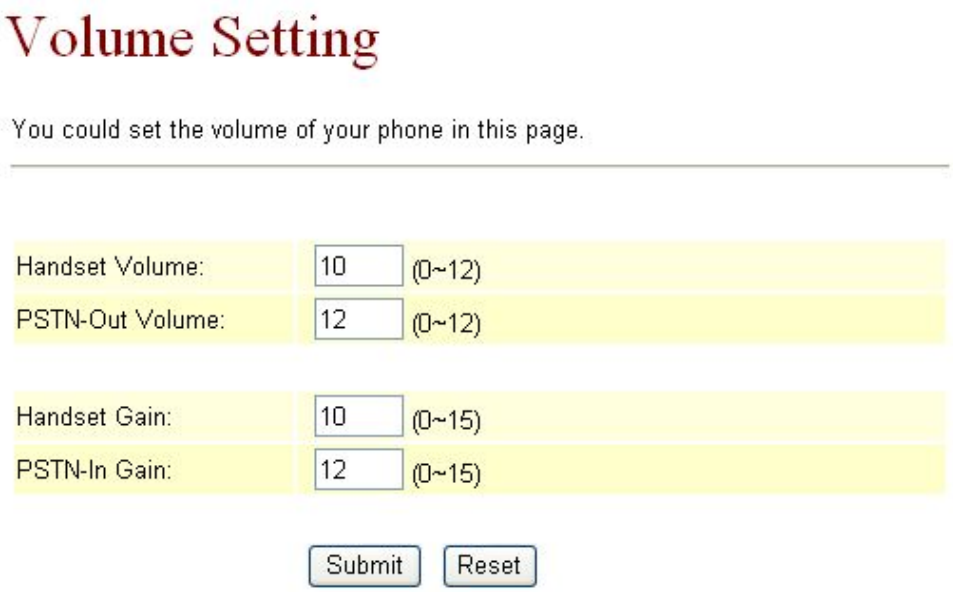

SNTP Settings
You could set the SNTP servers in this page.
SNTP: On Off
Primary Server: time.windows.com
Secondary Server: 208.184.49.9
Time Zone: GMT + 08 : 00 (hh:mm)
Sync. Time: 1 : 0 : 0 (dd:hh:mm)
Submit Reset

Notes:

1. Click to select the SNTP "On".
2. Fill the domain name (or IP address) of the Primary Server.
3. Fill the domain name (or IP address) of the Secondary Server if desired.
4. File Time Zone and Synchronization Period.
5. Click the "Submit" button and then "Save Change" menu to reboot the device.

3. **The Volume settings:**

Selects the "**Volume Settings**" item to configure the settings for adjust the handset volume and sending gain.



Notes:

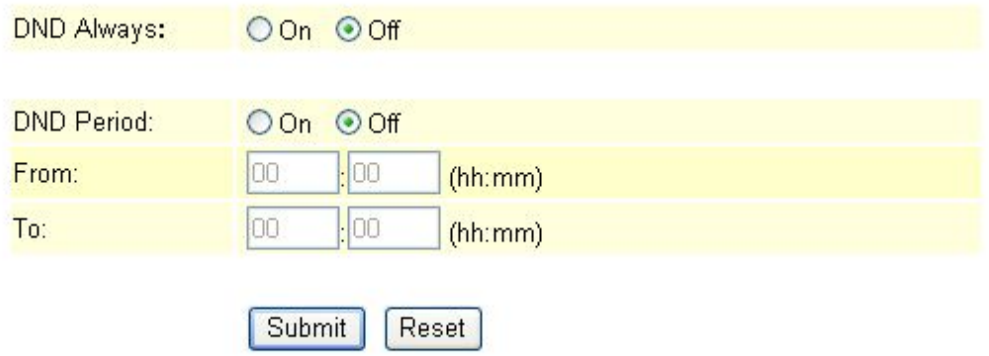
1. Adjust the "Handset Volume" for tuning the volume of handset.
2. The "PSTN-Out Volume" is specified for sending volume of the FXO port.
3. The "Handset Gain" is for sending gain of the handset.
4. The "PSTN-In Gain" is for input gain of FXO port.
5. Please don't change the settings without technical support.

4. **The DND settings:**

Selects the "**DND Settings**" item to configure the settings for enabling the DND (Do Not Disturb) function.

DND Setting

You could set the do not disturb period of your phone in this page.

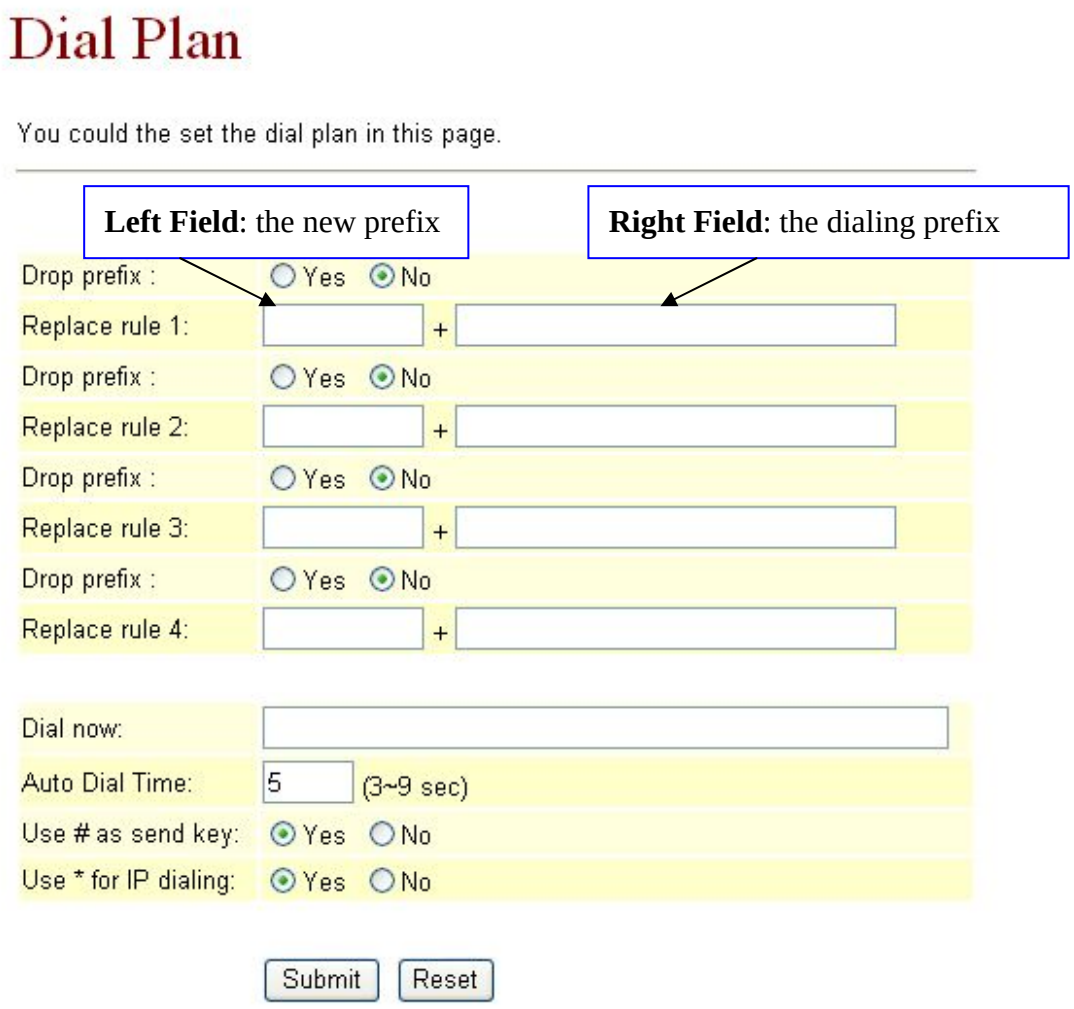


Notes:

1. Select " DND Setting" to enter the configuration page and configure the DND operation mode either "DND Always" for always enabling DND function or "DND Period" for enabling DND function in a period.
2. The "DND Always" is defined to enable the DND always
3. The "DND Period" is defined to enable the DND for a period time.

5. The Dialing Plan settings:

Selects the "**Dialing Plan Settings**" item to do the dialing arrangement.


Dial Plan
You could the set the dial plan in this page.
Left Field: the new prefix
Right Field: the dialing prefix
Drop prefix : Yes No
Replace rule 1: +
Drop prefix : Yes No
Replace rule 2: +
Drop prefix : Yes No
Replace rule 3: +
Drop prefix : Yes No
Replace rule 4: +
Dial now:
Auto Dial Time: 5 (3~9 sec)
Use # as send key: Yes No
Use * for IP dialing: Yes No
Submit
Reset

Notes:

1. Selects the "Drop prefix" "Yes" to drop the number specified in the right field of "Replace rule" and replace by the left field. Select "No" to add the number specified in the left field directly.
2. Fills the left field of "Replace rule" to define the new prefix number for replacing.
3. Fills the right field of "Replace rule" to define the matching rule that defines the matching prefix numbers which be compared with the dialing prefix number.
4. "Auto Dial Time" is the time duration for sending out the call. The dialing number will be sent out when stop the type-in and the time is expired of the setting. Alternatively, one can type in '#' to send out the calling number.
5. "Replace rule" is used to define the replace rule of the dialing number. The maximum characters of the field is up to 124.

6 “Dial Now” is defined a number digits for sending it out immediately when dialing digits (digit & length) is matched to this number. The maximum characters of the field is up to 124.

To describe the replacing rules in the following examples:

Dial Plan
You could the set the dial plan in this page.
Drop prefix : Yes No
Replace rule 1: 001 + 482+501
Drop prefix : Yes No
Replace rule 2: 005 + 001+002+003+006+009
Drop prefix : Yes No
Replace rule 3: 03 + 4xxxxxx+3xxxxxx+7xxxxxx
Drop prefix : Yes No
Replace rule 4: +
Dial now: 5xxxxxx+6xxxxxx
Auto Dial Time: 5 (3~9 sec)
Use # as send key: Yes No
Use * for IP dialing: Yes No
Submit
Reset

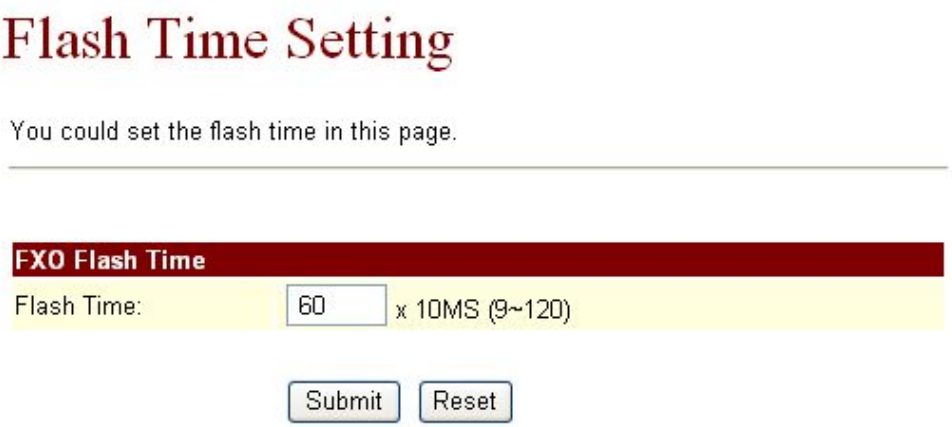
Notes:

1. The syntax of the replacing rule are define as following:
   ‘+’ for ‘OR’ operation,
   “xxx” for specific dialing digits (ex. xxx is for three digits),
   “1234567890” for defined dialing digits.
2. Example-1: Drop prefix: **No**, Replace rule 1: **001** + **482+501**
   When the prefix of dialing number matches to **482 or 501,** add **“001”** to the prefix. If the original dialing number is 482xxxxx or 501xxxxx, then the sending dialing number will be 001482xxxxx or 001501xxxxx.

3. Example-2: Drop prefix: **Yes**, Replace rule 1: **005** + **001+002+003+006+009**
   When the prefix of dialing number matches to **001 or 002 or 003 or 006 or 009,** replace the prefix by **"005"**.
   If the original dialing number is 0019876543, 0028765432 or 0067654321 etc., then the sending dialing number will be 0059876543, 0058765432 or 0057654321.
4. Example-3: Drop prefix: **No**, Replace rule 1: **03** + **4xxxxxx+3xxxxxx+7xxxxxx**
   When the prefix of dialing number matches to **4xxxxxx or 3xxxxxx or 7xxxxxx (matching the digit and length),** add **"03"** to the prefix.
   If the original dialing number is 4123987, 3123587 and 7123354 etc., then the sending dialing number will be 034123987, 033123587 and 037123354.
5. Example-4: Dial Now matching rule of **5xxxxxx+6xxxxxx:**
   If the dialing number matches **first digit 5 or 6 and the length 7** for **(5xxxxxx** or **6xxxxxx),** then sent it out immediately.

6. The Flash Time settings:

Selects the "**Flash Time Settings**" item to set the flash time for the FXO port (the PSTN line).



Notes
"Flash Time" specifies flash time of the FXO port. It is generated by type-in an On-Hook (or flash key):

7. **The Call Waiting settings:**

Selects the "**Call Waiting Settings**" item to enable the call waiting function.

Notes: By enabling the "Call Waiting", when you are talking with someone, one will hear the call waiting tone for a new incoming call..

8. **The Alarm settings:**

Selects the "**Call Waiting Settings**" item to enable the Alarm function and configure the alarm times.

Notes:
By enabling the “Alarm”, when the current time is match to configuration settings, then send the ring tone to handsets. And stops the ring by off-hook.

9. The Prefix To PSTN settings:

“Prefix To PSTN” defines which dialing numbers will be switch (send out) to PSTN directly. User don’t need to dial “**” before dialing the PSTN phone number. In the other word, when the dialing number matches to the prefix number in prefix table, it will be sent out to PSTN.

Selects the “**Prefix To PSTN** ” item to edit the phone prefix table. One can configure up to 8 sets of phone prefix in the table and each maximum length is 7 digits.

Prefix to PSTN

Outgoing call with the prefix number in this page will be connected through PSTN.

Item	Prefix Number	Select
1		
2		
3		
4		
5		
6		
7		
8		

Delete Selected Delete All

Add Prefix Number

Position: (1~8)

Prefix Number:

Add

Notes:

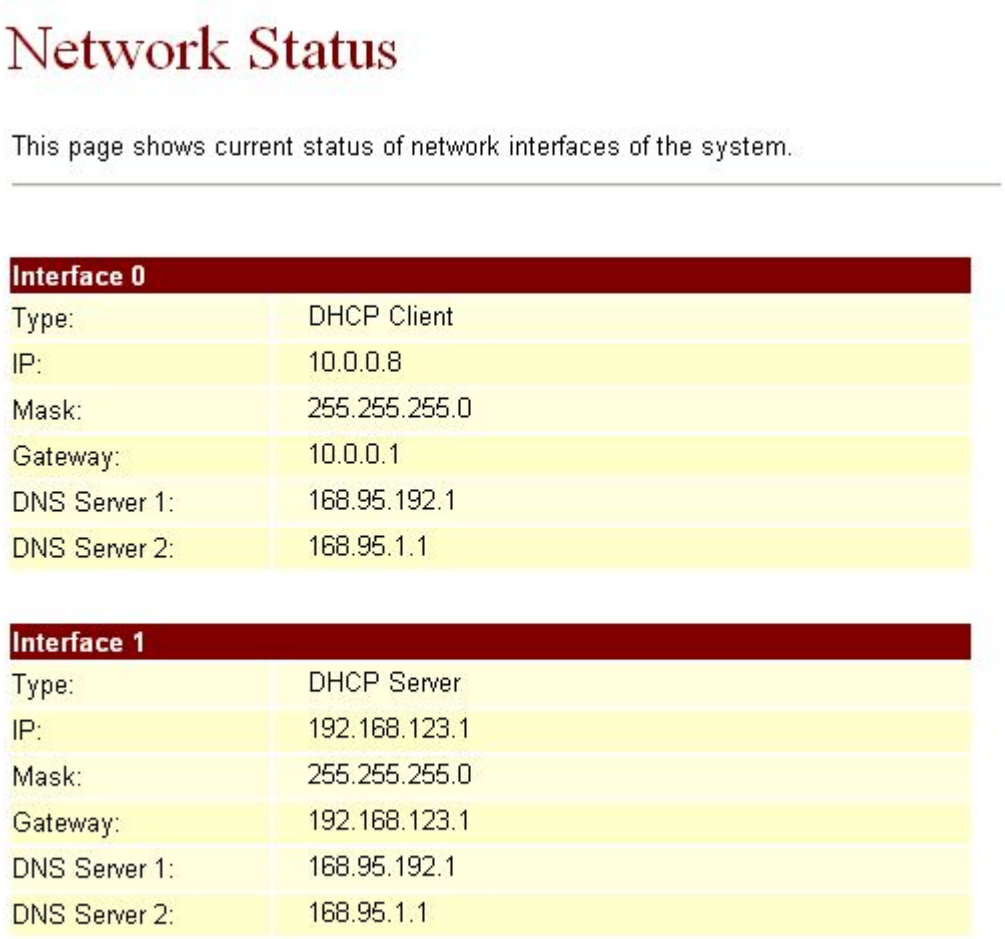
1. “Prefix Number” is defined to a number for matching with dialing prefix number. If the dialing number matches to the configured “Prefix Number” in the table, it will be sent out to PSTN port. The maximum digits of the prefix number is 7.
2. Someone can select and delete the phone number by checking the “Select” field and click the “Delete Select”. And delete all settings of the table by click the “delete all”.
3. “Add Prefix Number” is used for entering a new prefix number. The prefix number is indexed by the “Position” number and.
4. The “Add” button is used to submit the editing data to the prefix table.

To configure the Network settings

The Network Setting menu includes Status (setting information), .WAN Settings, LAN Settings, DDNS Settings, PPTP Settings and VLAN Settings items. One can construct the network settings with supplier's technical supports.

1. **Status:**

   Selects the "Status" item of "Network" setting menu to show up the Interface-0 (WAN port) and Interface-1 (LAN port) settings. **Network Status Page of AW207:**



Network Status

This page shows current status of network interfaces of the system.

Interface 0	
Type:	DHCP Client
IP:	10.0.0.8
Mask:	255.255.255.0
Gateway:	10.0.0.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

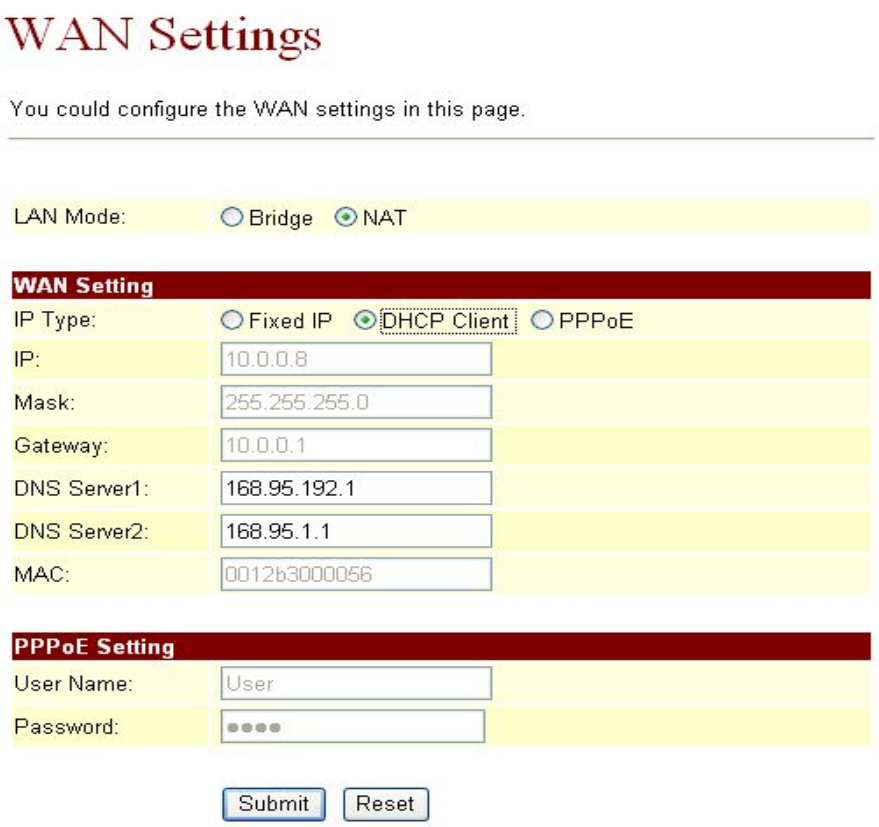
Interface 1	
Type:	DHCP Server
IP:	192.168.123.1
Mask:	255.255.255.0
Gateway:	192.168.123.1
DNS Server 1:	168.95.192.1
DNS Server 2:	168.95.1.1

Notes:

1. Interface 0 is defined for the WAN port and Interface 1 is for LAN port.
2. Type: Normally WAN port is set to a DHCP client. It gets the IP address from DHCP server (could be a NAT router etc.). And the LAN port is set to a DHCP server. It provide the IP address to clients.
3. IP: It is a IP address. An DHCP client gets the IP address from the DHCP server.
4. Mask: IP subnet mask for class C.
5. Gateway IP Address: commonly the LAN-address of the gateway is meant. The addresses of computers connected to the LAN are hidden behind the gateway. That is, the WAN can only see the gateway's IP address. The DHCP client at WAN port gets that address from the DHCP server. And the device defined a gateway IP address 192.168.123.1 for LAN port access.
6. DNS Server 1: Specify the first DNS (Domain Name Server) IP address.
7. DNS Server 2: Specify the second DNS (Domain Name Server) IP address if require.

2. WAN Setting:

Selects the “WAN Settings” item of “Network” menu to configure the settings related to WAN port.



Notes:

1 "LAN mode": is used to defined the communication function between WAN and LAN ports. It can be set as a communication bridge or a NAT (Network Address Translation) router.

- Bridge: Formally means a device that behaves according to the IEEE 802.1d standard - this is most often referred to as a network switch. A **network bridge** connects multiple network segments at the data link layer(layer 2) of the OSI model. Bridges are similar to repeaters or network hub.
- NAT: In computer network, the process of **network address translation** (**NAT**) involves re-writing the source and/or destination addresses of IP packets as they pass through a router or firewall. Most systems using NAT do so in order to enable multiple hosts on a private network to access the Internet using a single public IP address).

2. IP Type: defines the WAN port interface to be a “Fix IP”, “DHCP Client” or “PPPoE” access mode.
   - Fixed IP: If the “fixed IP” is selected, one must to assign the **IP address, Subnet mask, Gateway IP address**.
   - DHCP Client: Set the DHCP (Dynamic Host Configuration Protocol) client to connect with a DHCP server (could be provided by a NAT/router)
   - PPPoE: Supports the device to connect with an ADSL modem (not include NAT router) directly.
3. If the PPPoE is selected, one must to fill out the User Name and Password for connecting to ISP. The User name and password are provided by ISP.
4. Click “submit” to save and reboot the device.

3. LAN Setting:

Selects the “LAN Settings” item of “Network” menu to configure the settings related to LAN port.

LAN setting page of AW207:

LAN Settings

You could configure the LAN settings in this page.

LAN Setting	
IP:	192.168.123.1
Mask:	255.255.255.0
MAC:	0012b3000057

DHCP Server	
DHCP Server:	On Off
Start IP:	150
End IP:	200
Lease Time:	1 : 0 (dd:hh)

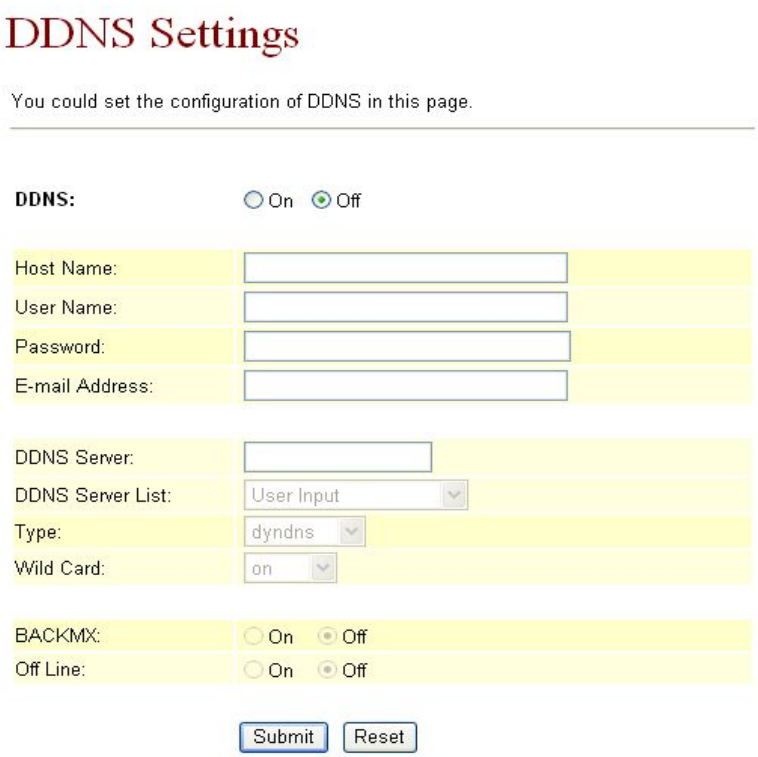
Submit Reset

Notes:

1. Fills the IP address and subnet mask of the LAN port.
2. DHCP server: DHCP is a protocol used by networked computers (*clients*) to obtain unique IP address, and other parameters such as default router, subnet mask, and IP addresses for DNS servers from a DHCP server. The DHCP server ensures that all IP addresses are unique, that is, no IP address is assigned to a second client while the first client's assignment is valid. Please refer to the RFC2131.
3. If turn the DHCP server ON, one must specify the IP address range for IP address assignment.
4. If turn the DHCP server OFF, the PC computers (the clients) must to set the “fixed IP address” for communicating with this device LAN port.
5. When the “Bridge mode” of the LAN is selected in the WAN setting page, the DHCP will automatically turn off after rebooting the device.
6. Lease Time: The length of time, the address is available to the device it was assigned to is called a *lease*. The device periodically refresh (it *expires*, meaning the client must obtain another assignment) with typical intervals ranging from one hour to several months.

4. DDNS Setting:

Selects the “DDNS Settings” item of “Network” menu to configure the settings related to DDNS.

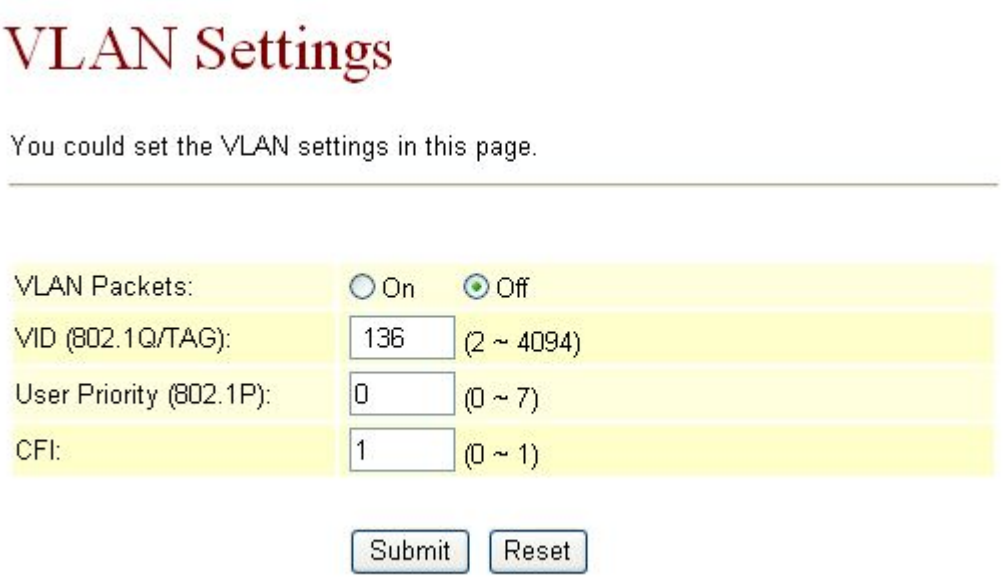


Notes:

1. DDNS (Dynamic Domain Name Service) is a system which allows the domain name data held in a name server to be updated in real time. The most common use for this is in allowing an Internet domain name to be assigned to a computer with a varying (dynamic) IP address. This makes it possible for other sites on the Internet to establish connections to the machine without needing to track the IP address themselves.
2. One needs to have the DDNS account and input the information properly.
3. If one has a DDNS account with a public IP address then others can call via the DDNS account.
4. Now most of the VoIP applications are work with a SIP Proxy Server.

5. VLAN Setting:

Selects the “VLAN Settings” item in “Network” menu to configure the settings related to VLAN.



Notes:

1. A **virtual LAN**, commonly known as a **VLAN**, is a method of creating independent logical network within a physical network. Several VLANs can co-exist within such a network. This helps in reducing the brocast domain and administratively separating logical segments of LAN (like company departments) which should not exchange data using LAN (they still can by routing).
2. The IEEE 802.1Q tagging protocol dominates the VLAN world.
3. VLAN Packets: The default setting is OFF. When turn on the “VLAN Packet”, it will enable the VLAN function.
4. VID, CFI: One must also set the VID (VLAN ID, supported by VLAN Server) and CFI (Canonical Format Indication) property for the VLAN operation.
5. User Priority: One can also set the user priority for 0~7

6. DMZ Setting:

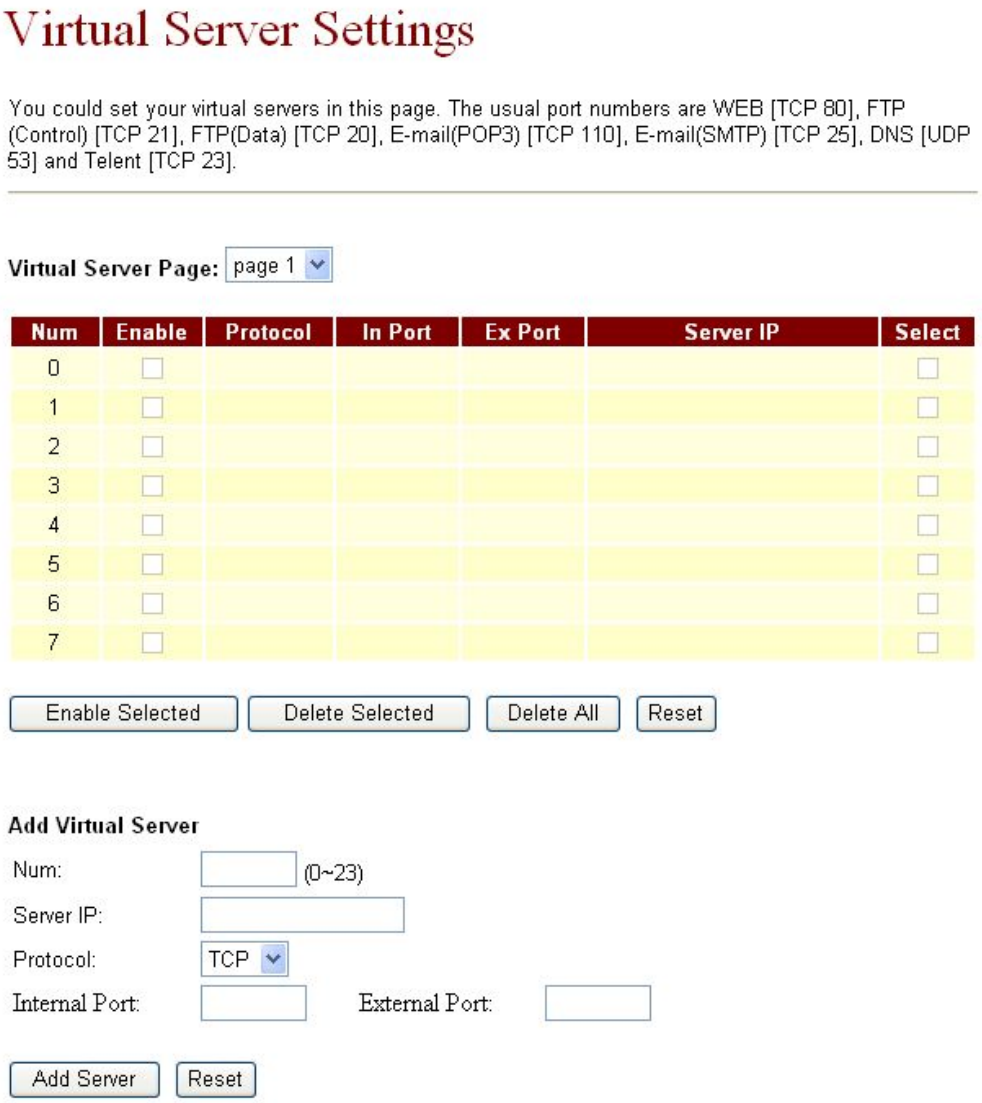
Selects the “DMZ Setting” item in “Network” menu to enable the DMZ function.

Notes:

1. A DMZ is a network area that sits between an organization's internal network and an external network, usually the Internet.
2. Click to select the DMZ “ON”.
3. DMZ Host IP: Fill the DMZ host IP address.
4. Click “Submit” button to save the change and reboot the device.

7. Virtual Server Settings:

Selects the “Virtual Server” item in “Network” menu to configure the Virtual Server related settings.

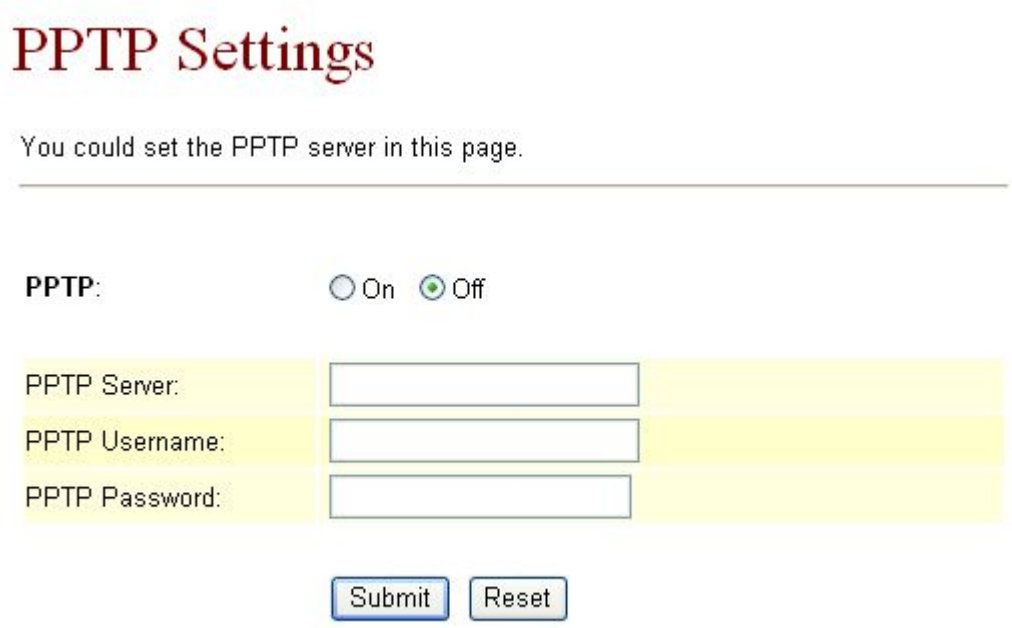


Notes:

1. One can adds and deletes virtual server to/from the virtual server list.
2. Up to 24 (no. 0~23, in three pages) virtual servers could be added.
3. One can enable the virtual servers in the list by checking the “Select” fields and click the “Enable Selected” button to enable them.
4. One can delete the virtual servers in the list by checking the “Select” fields and click the “Delete Selected” button to disable them. And one can also delete all by click the “Delete All” button.

8. PPTP Settings:

Selects the “PPTP Setting” item in “Network” menu to configure the PPTP related settings. PPTP works by sending a regular PPP session to the peer with the Generic Routing Encapsulation (GRE) protocol. A second session on TCP port 1723 is used to initiate and manage the GRE session. PPTP is difficult to forward past a network firewall because it requires two network sessions.



Notes:

1. “PPTP” On/Off: One can enable and disable the PPTP function by selecting this field.
2. The PPTP connection is authenticated by a Username and Password. For getting service, one must fill in PPTP Server, PPTP Username and PPTP Password.

To configure the SIP settings

The SIP (Session Initialization Protocol) Setting menu includes Service Domain settings, Port settings, Codec settings, Codec ID settings, DTMF settings, Rport settings, and Other settings (SIP QoS, etc.) items. One can construct the advanced SIP settings by supplier's technical supports.

1. **Service Domain Settings:**

   Selects the "Service Domain Settings" item of "SIP settings" menu to do the basic settings for a SIP call.

Service Domain Settings

You could set information of service domains in this page.

Phone No.: Phone 1

Realm 1 (Default)	
Active:	On Off
Display Name:	875410280
User Name:	875410280
Register Name:	875410280
Register Password:	●●●●●
Domain Server:	msw1.mky.com
Proxy Server:	msw1.mky.com
Outbound Proxy:	msw1.mky.com
Subscribe for MWI:	On Off
Switch to PSTN:	On Off
Status:	Registered

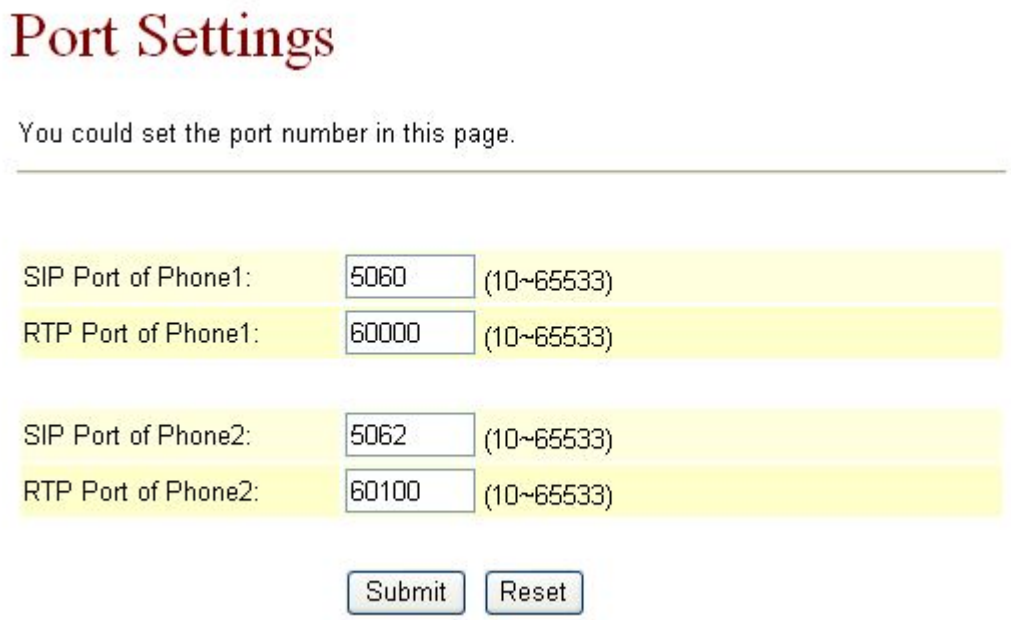
Realm 2	
Active:	On Off
Display Name:	
User Name:	
Register Name:	
Register Password:	
Domain Server:	
Proxy Server:	
Outbound Proxy:	
Subscribe for MWI:	On Off
Switch to PSTN:	On Off
Status:	Not Registered

Notes:

1. The device is able to support two VoIP phone line in the same time.
2. Each phone line can register up to three SIP accounts (in three Realms).
3. One can register up to three SIP accounts in each phone line. Then dial out the VoIP phone via first enable SIP account (Realm 1 is the first priority) and receive the phone from three SIP accounts in Realm 1~3. So one can register up to six SIP accounts in phone 1 and phone 2 of the device.
4. First, selects the Phone 1 or phone 2 in “Phone No.” item.
5. Active: Click to select the “Active” “On” to active a Realm (1~3).
6. Display Name, User Name, Register Name: Fill the IP-phone number provided by Gatekeeper service provider into the “Display Name”, “User Name” and “Register Name”. Or fill in the display name you desired into “Display Name”, and fill the user name and register name get from ISP into “User Name” and Register Name”.
7. Password: Enter the password provided by service provider.
8. Domain Server, Proxy Server, Outbound Proxy: One must to fill out the “Domain Server”, “Proxy Server” and “Outbound Proxy” server domain names provided by the service provider. In general, a gatekeeper service provider will give one domain name for those three servers.
9. MWI: Then one can enable the MWI (Message Waiting Indication) function by click the “MWI” “On”.
10. Switch to PSTN: One can set the device to switch the SIP calls from a SIP account (a Realm) to the FXO port (the PSTN) by clicking the “Switch to PSTN” “On”.
11. Status: It is read only to show up the registering status.

2. Port Settings:

Selects the “Port Settings” item of “SIP settings” menu to configure the SIP and RTP ports.

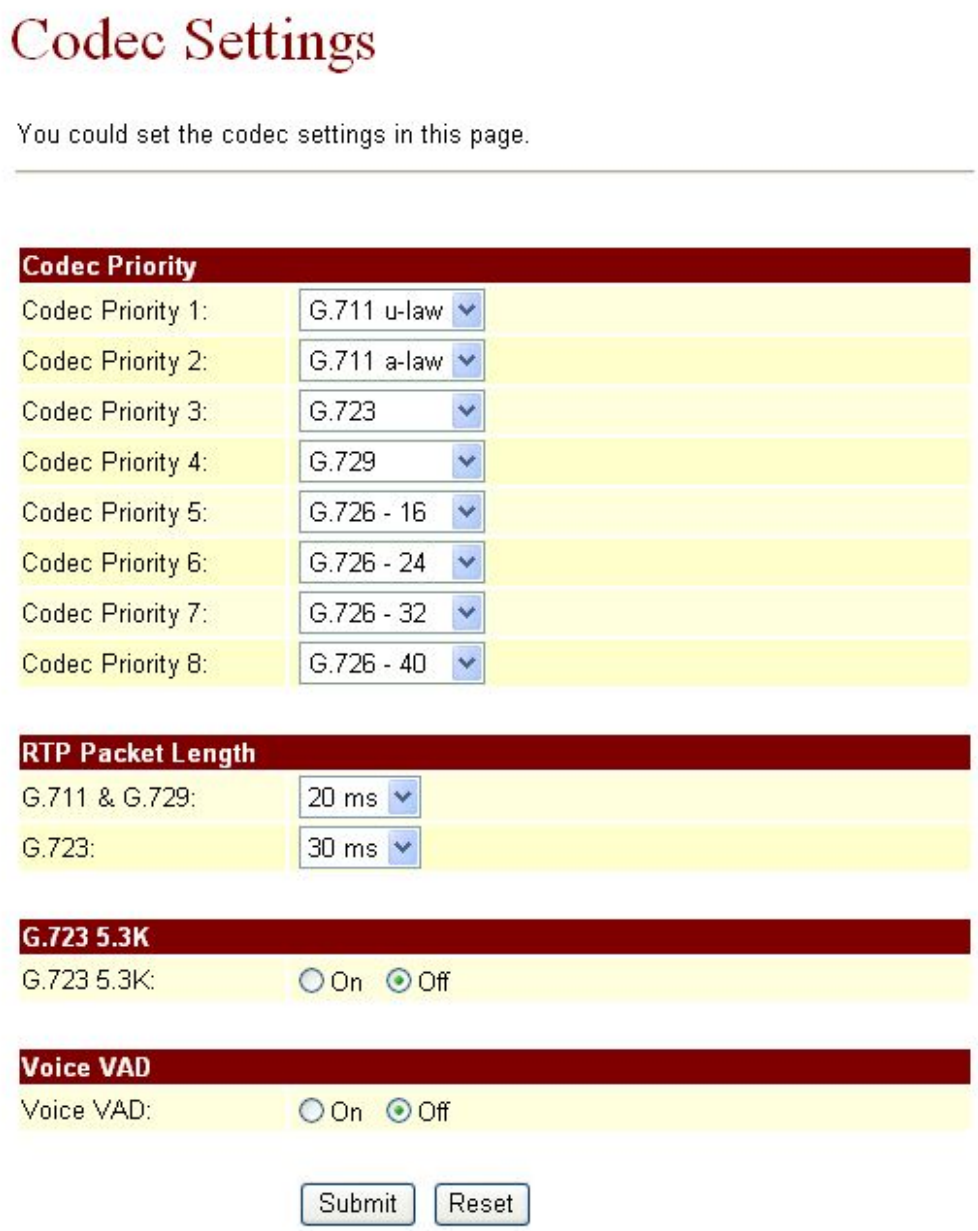

Port Settings
You could set the port number in this page.
SIP Port of Phone1: 5060 (10~65533)
RTP Port of Phone1: 60000 (10~65533)
SIP Port of Phone2: 5062 (10~65533)
RTP Port of Phone2: 60100 (10~65533)
Submit
Reset

Notes:

1. Fill the port settings in this page to enable the IP-phone calls through the IP address and port number (the format is IP address:Port no., e.g. xxx.xxx.xxx.xxx:5060).
2. SIP Port of Phone 1: Enter a number to define the SIP port number for the SIP phone 1. The default port number of SIP Phone1 is **5060**.
3. RTP Port of Phone 1: Enter a number to define the RTP (Real-time Transport Protocol) port number for the SIP Phone 1. The default setting is 60000.
4. SIP Port of Phone 2: Enter a number to define the SIP port number for the SIP phone 2. The default port number of SIP Phone2 is **5062**.
5. RTP Port of Phone 2: Enter a number to define the RTP port number for the SIP Phone 2. The default setting is 60100.

3. Codec Settings:

Selects the “Codec Settings” item of “SIP settings” menu to configure the CODEC settings.

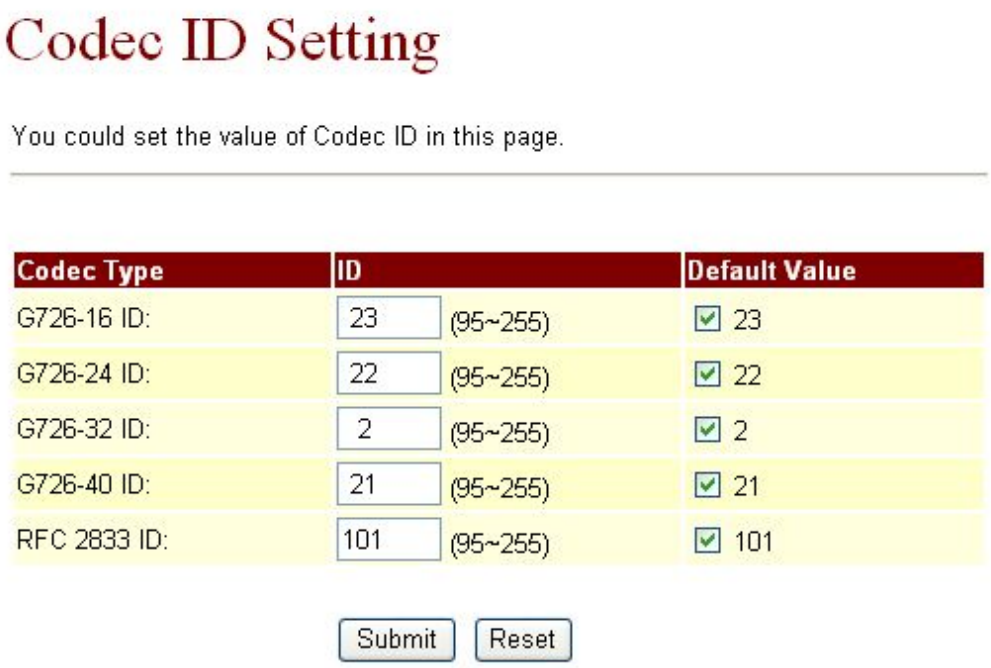

Codec Settings
You could set the codec settings in this page.
Codec Priority
Codec Priority 1: G.711 u-law
Codec Priority 2: G.711 a-law
Codec Priority 3: G.723
Codec Priority 4: G.729
Codec Priority 5: G.726 - 16
Codec Priority 6: G.726 - 24
Codec Priority 7: G.726 - 32
Codec Priority 8: G.726 - 40
RTP Packet Length
G.711 & G.729: 20 ms
G.723: 30 ms
G.723 5.3K
G.723 5.3K: On Off
Voice VAD
Voice VAD: On Off
Submit
Reset

Notes:

1. One can setup the Codec priority, RTP packet length, and VAD function in the Codec setting. One needs to follow the service provider suggestion to setup those items.
2. When finished the settings, click the “Submit” button to save the changes and reboot the device.

4. Codec ID Settings:

Selects the “Codec ID Settings” item of “SIP settings” menu to configure the CODEC settings.



Notes:

1. Sometimes 2 VoIP devices with different Codec IDs will cause the interoperability issue. If one is talking with another and getting problem, one could confirm the Codec IDs for resolving the problem.
2. When finished the settings, click the “Submit” button to save the changes and reboot the device.

5. DTMF Settings:

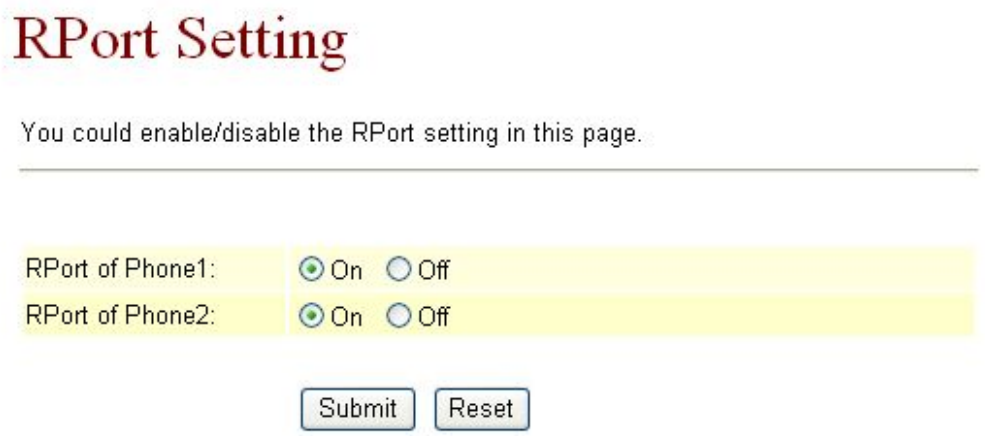
Selects the “DTMF Settings” item of “SIP settings” menu to configure the DTMF settings.

Notes:

1. One can click to enable one of the 2833 Out-Band DTMF, In Band DTMF, and Send DTMF SIP Info in this page.
2. Please following service provider recommends if one want to change the settings.
3. When finished the settings, click the “Submit” button to save the changes and reboot the device.

6. RPort Settings:

Selects the “RPort Settings” item of “SIP settings” menu to configure the RPort settings.

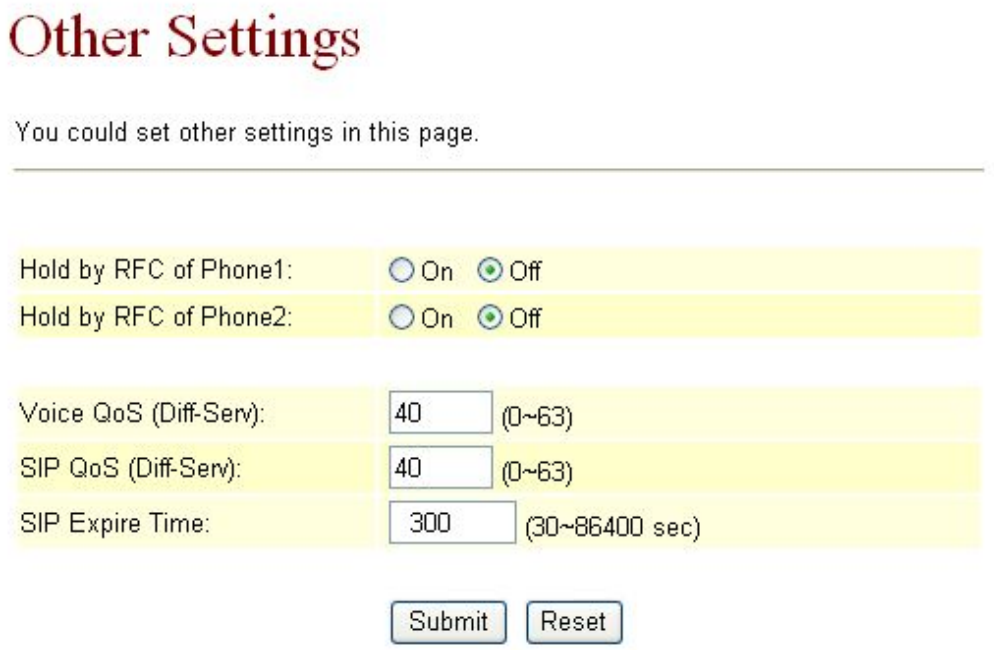


Notes:

1. One can click to off the settings of RPort in this page.
2. Please following service provider recommends if one want to change the settings.
3. When finished the settings, click the “Submit” button to save the changes and reboot the device.

7. Other Settings:

Selects the “Other Settings” item of “SIP settings” menu to configure the Hold by RFC, Voice QoS, SIP QoS and SIP Expire Time settings.

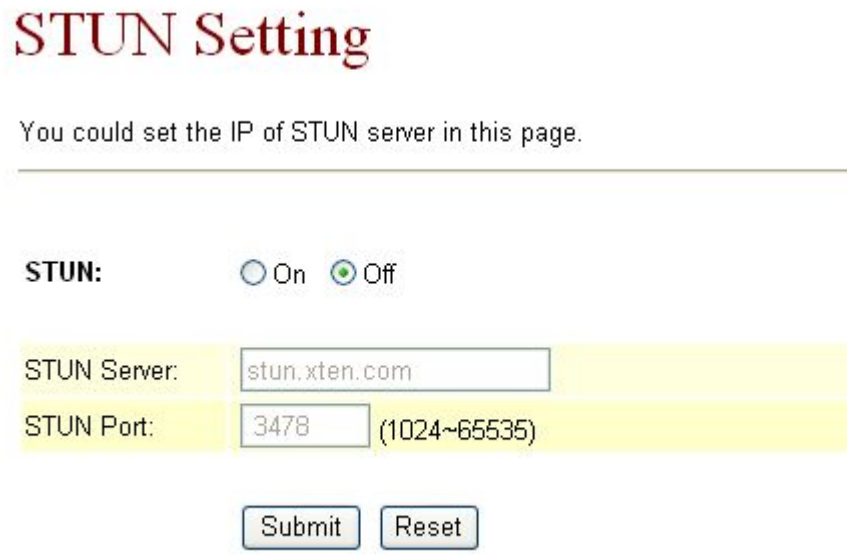


Notes:

1. One can setup the Hold by RFC, Voice/SIP QoS and SIP expire time in this page.
2. The QoS settings are used to set the priority of the voice packets. If set the value higher than 0, then the voice packets will have the higher priority to be transmitted in the Internet. Regarding to the QoS function, the cooperation with remote devices is required.
3. Please following service provider recommends if one want to change the settings.
4. When finished the settings, click the “Submit” button to save the changes and reboot the device.

To configure the NAT Trans. setting

Selects the “STUN Setting” item in the “NAT Trans” menu to configure the STUN settings.

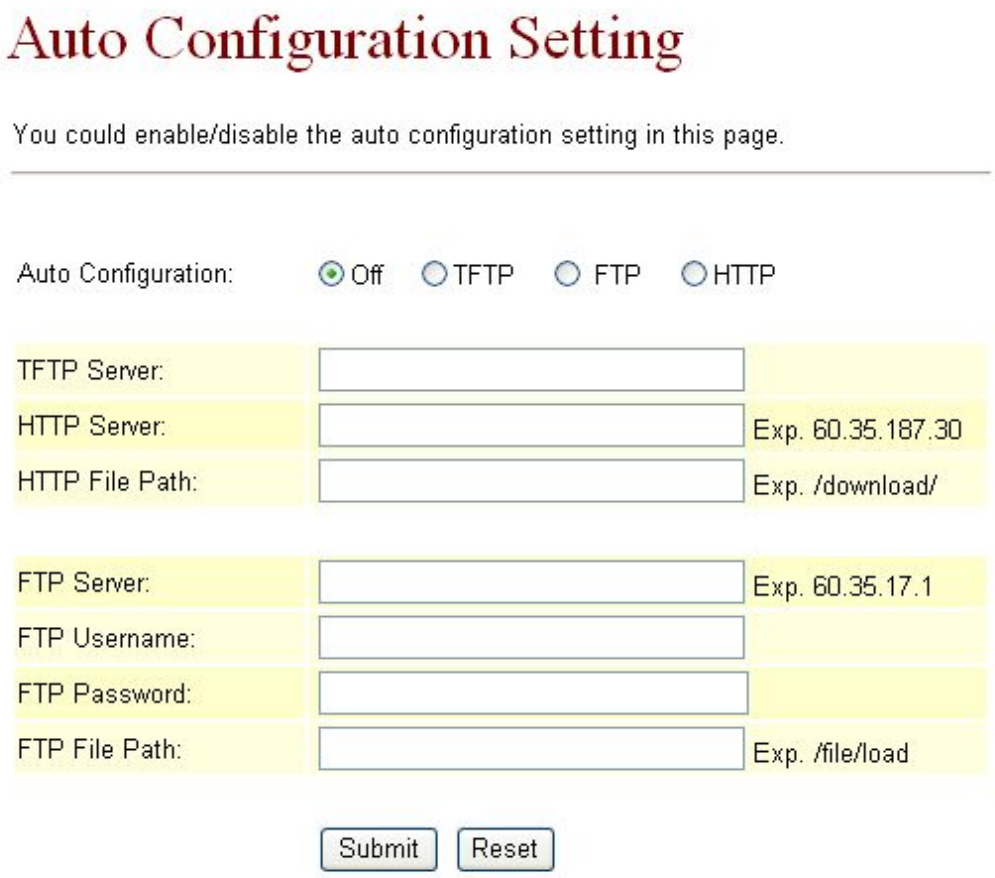


Notes:

1. STUN (Simple Traversal of User Datagram Protocol (UDP) Through Network Address Translators (NATs)) is a network protocol allowing a client behind a NAT (or multiple NATs) to find out its public address, the type of NAT it is behind and the internet side port associated by the NAT with a particular local port. This information is used to set up UDP communication between two hosts that are both behind NAT routers.
2. STUN is a client-server protocol. The device includes a STUN client, which will send a request to a STUN server. The server then reports back to the STUN client what the public IP address of the NAT router is, and what port was opened by the NAT to allow incoming traffic back in to the network.
3. If one needs to enable the setting, please contact to supplier’s technical support.
4. When finished the settings, click the “Submit” button to save the changes and reboot the device.

To configure the Auto Configure settings in Others (Reserved)

Selects the “Auto Config” item in the “Others” menu to configure the settings for setting up the auto-configuration environment.



Notes:

1. Currently the Auto-configuration setting page is reserved for the future.
2. The configuration fields in Auto Configuration Setting are listed in below.

Configuration Settings	Descriptions	**Default Setting**	**Selection Range**
Auto Configuration	Set to enable the Auto-Provision and select the configuration through **TFTP, HTTP** or **FTP**.	Off	**Off, TFTP, HTTP FTP**
TFTP Server	TFTP Server domain name (or IP address)	None	Max. length: 128
HTTP Server	TFTP Server domain name (or IP address)	None	Max. length: 128

HTTP File Path	The file path under HTTP server, for example /aps_cfg/123/	None	Max. length: 128
FTP Server	FTP Server domain name (or IP address)	None	Max. length: 128
FTP Username	FTP user name for logging in to the FTP Server	None	Max. length: 64
FTP Password	FTP user password for logging in to the FTP Server	None	Max. length: 64
File Path	The file path under FTP server, for example /aps_cfg/123/	None	Max. length: 64

To configure the FXO port settings in Others

Selects the “FXO Port Settings” item in the “Others” menu to configure line impedance of the FXO telephone line.

FXO Impedence Setting
You could select the FXO impedence of the analog telephone by different country in this page.
FXO Port:
Taiwan
Submit
Reset

Notes:

1. FXO Port: Select a country of the FXO port line impedance to match the PTT requirements.
2. When finished the settings, click the “Submit” button to save the changes and reboot the device.

To configure the MAC clone settings in Others

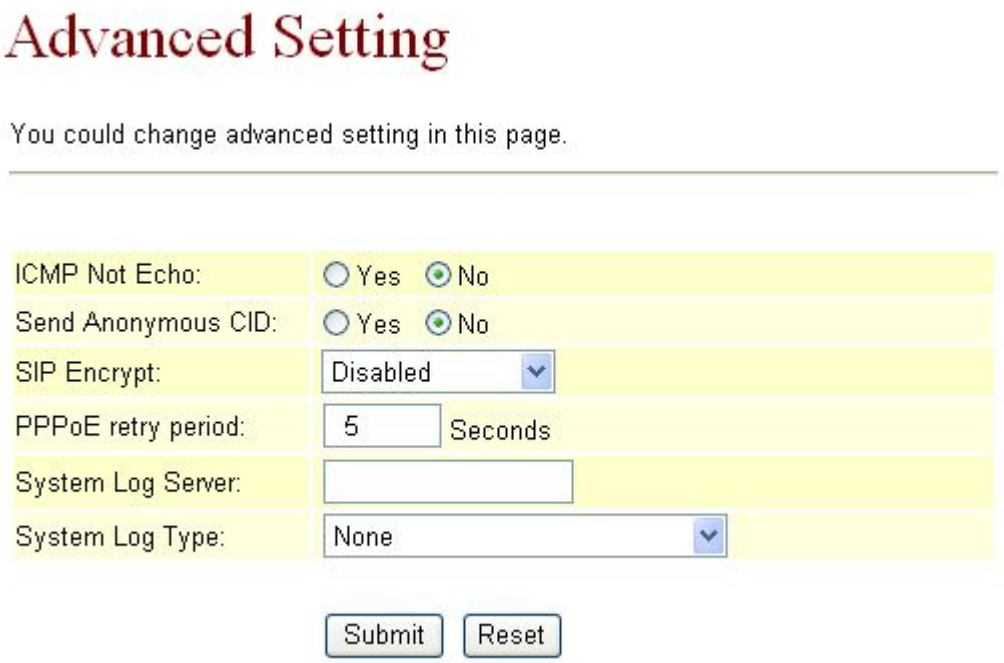
Selects the “MAC clone Setting” item in the “Others” menu to enable/disable the MAC clone feature.

Notes:

1. Some ISP servers check the MAC address for the authentication on the PPPoE interface. So if PC is setup behind this AW207, the MAC clone setting must to be enabled. The device will copy the PC’s LAN MAC address to the WAN port of AW207 for communicating with ISP server properly.
2. Please check with supplier’s technical support for changing this setting.
3. When finished the settings, click the “Submit” button to save the changes and reboot the device.

To configure the advanced settings in Others

Selects the “Advanced Settings” item in the “Others” menu to configure the ICMP(Internet Control Message Protocol), Send Anonymous CID (Caller ID), Plarity Reversal, CPC (Calling Party Control) Delay, CPC Duration, Send Flash event and SIP Encryption.



Notes:

1. ICMP Not Echo: Set “Yes” to disable the ICMP response. The Ping response function is enabled as setting to “No”.
2. Send Anonymous CID: Enable the device to send the anonymous caller ID.
3. SIP Encrypt: To enable the SIP encryption function. The default is set to “Disabled”. Please contact to supplier technical support for changing this setting.
4. System Log Server and System Log Type: This feature is reserved for the further applications.

To change the system password

Click “System Auth.” to change user name and password of the system.

Notes:

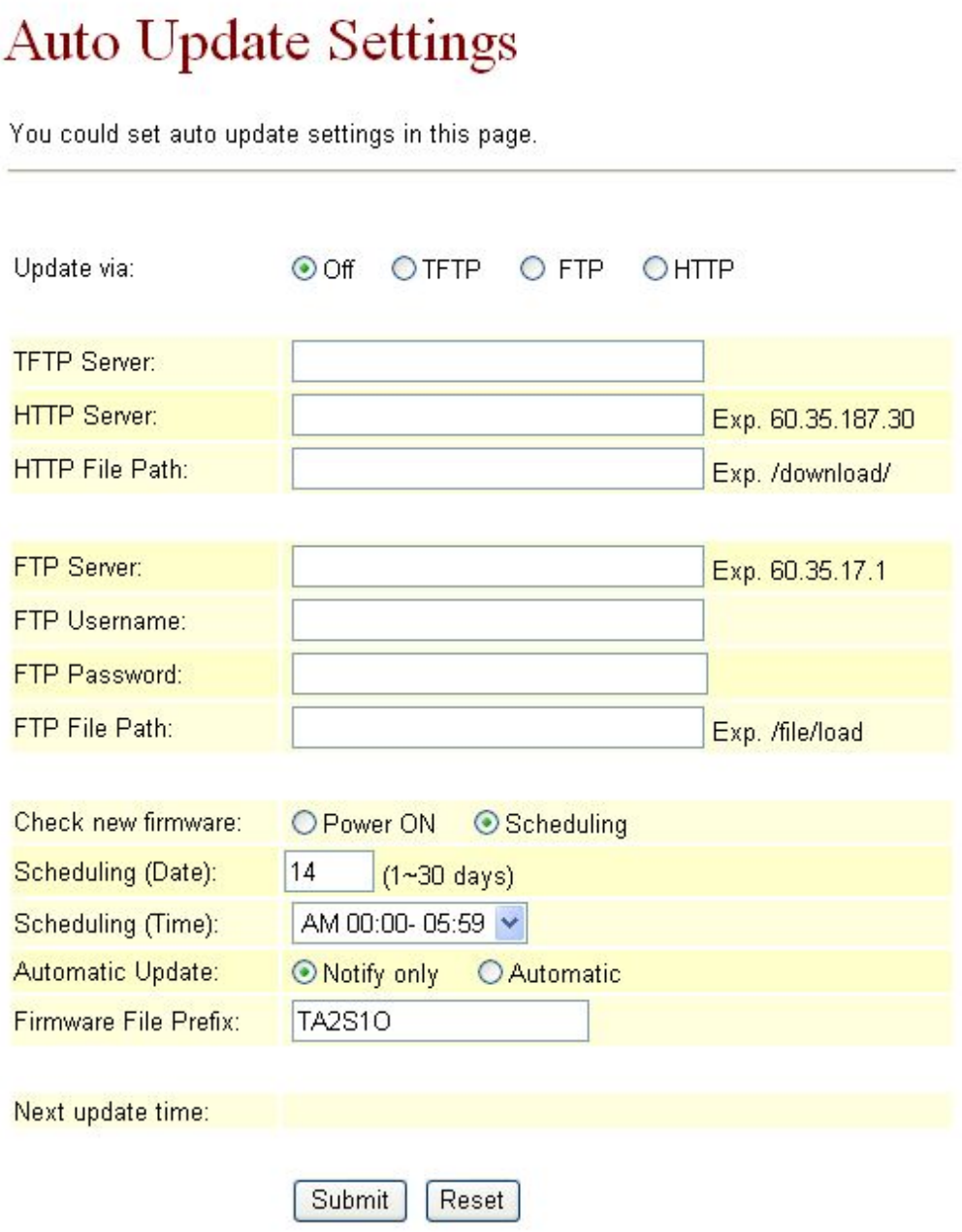
1. Fill the new user name and password then click “Submit” to save the change and reboot the device.
2. Reset: be used to clear the typing characters.

To Update the F/W code (Reserved)

Notes:

1. Currently the Update Firmware mechanism is reserved for the future.
2. Please update new firmware code through http://device-ip-address:9999/update.htm web page.
3. And please note that the “device-ip-address” is changed conditionally at setting up time. Following the web page, one can download the new firmware code (with .ROM format) from a PC.
   - If the PC is connected to the LAN port of the device, the device-ip-address could be 192.168.123.1.
   - If the PC is connect to the WAN port through a NAT/router, one must to find out the WAN port IP address first. (One can hear the WAN port address by off-hook the handset and type in #126#).

To setup the Auto-update environment (Reserved)



Notes:

1. Currently the Auto-Update mechanism is reserved for the future.
2. Please update new firmware code through http://device-ip-address:9999/update.htm web page.
3. The configuration settings in this page are described in below.

Configuration Settings	Descriptions	Default Setting	Selection Range
Auto Update	Set to enable the Auto-update and select the configuration through TFTP, HTTP or FTP	Off	**Off,** **TFTP,** **HTTP,** **FTP**
TFTP Server	TFTP Server domain name (or IP address)	None	Max. length: 128
HTTP Server	TFTP Server domain name (or IP address)	None	Max. length: 128
HTTP Path	The file path under HTTP server, for example /aps_cfg/123/	None	Max. length: 128
FTP Server	FTP Server domain name (or IP address)	None	Max. length: 128
FTP Username	FTP user name for logging in to the FTP Server	None	Max. length: 64
FTP Password	FTP user password for logging in to the FTP Server	None	Max. length: 64
File Path	The file path under FTP server, for example /aps_cfg/123/	None	Max. length: 64
Check New Firmware	Select the timing to update the F/W as **"Power ON"** or by **"Scheduling"**	**Power ON**	**Power ON**, **Scheduling**
Scheduling (Days)	Enter scheduling days for periodical update	14	1 ~ 33 days
Scheduling (Time)	Select the duration time for periodical update	AM 00:00 – 05:59	AM 00:00 – 05:59 AM 06:00 – 11:59 PM 12:00 – 17:59 PM 18:00 – 23:59
Automatic Update	Select the operation type: "Notify only" for just notifying or "Automatic" for updating automatically.	**Notify only**	**Notify only,** **Automatic**
Firmware File Prefix	TA2S1O	TA2S1O	Max. 32 bytes ASCII

Reset to the default settings

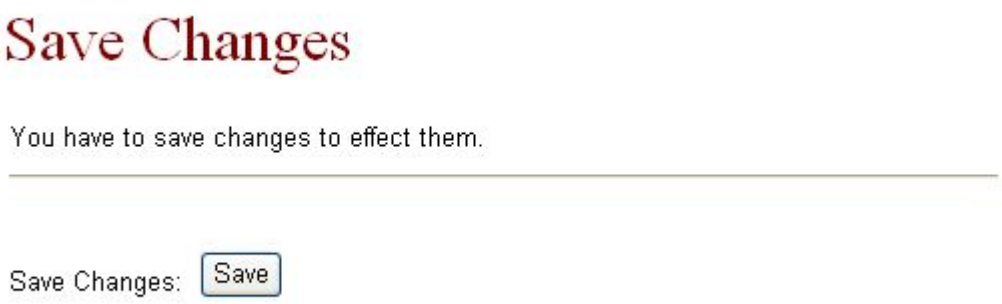
Click “Default Settings” in the “Update” menu to reset all of the device setting to the factory settings.

Restore Default Settings
You could click the restore button to restore the factory settings.
Restore default settings:
Restore

Notes:
Click “Restore” to reset the device setting to default settings and reboot the device.

To save changes and reboot the device

Click “Save Change” menu to save the configuration changes and reboot the device automatically.



Note:
Click “Save” button to save the changes and reboot the device automatically.

To enable the DECT registering/deregistration and paging process for registering/deregistering and paging a handset

Through Web Page:

One can select the “Register”, ”Deregistration” or “Page” item of “DECT Setting” menu in System Information page to enter DECT registering, deregistration and Paging enabling page after passing the login.

Notes:

1. Click “on”,
2. Click “Submit” to enable DECT registration
3. The PWR (red) LED will flash ON(0.5sec)-OFF(0.5sec) continuously to indicate that the device has entered the registering state.

DECT De-registration

You could de-registration the handset in this page.

De-registration handset number		
Handset:	1	(1~7)

Submit

Notes:

1. Select handset number (1~7)
2. Click “Submit” to de-register the handset.

DECT Handset Page Setting

You could page the DECT handset in this page.

Page: ○ On

Submit

Notes:

1. Click “on”,
2. Click “Submit” to enable DECT paging.

To do Paging through the push button:

One can also push and keep the PAGE/Registration/RESET push button **1 ~9** seconds and then release the push button to page the DECT handsets.

To do the Registering through the push button:

One can also push and keep the PAGE/Registration push button over **10** seconds and then release the push button to enable the DECT registering process.

The timing definitions of PAGE (/Registration) push button and LED indication:

Push and keep the **PAGE** push button with a specific duration to do the functions defined as below.

- 1~9 seconds to enable the DECT PAGE function. Over 10 seconds to enable DECT Registration function.

The timing definitions of Reset(/Factory Setting) push button and LED indication:

Push and keep the push button with a specific duration to do the functions defined as below.

- 1~9 seconds to enable the system reset. Over 10 seconds to reset the device configuration to factory settings.

Appendix B -- Configure the device settings using DECT Handset

The AW207/AW206 support users to configure the configuration settings through DECT handset. Someone can operate the handset key-pad to read and set the configuration settings.

The common procedures for entering configuration menu:
Enter Menu ->
select **BS Settings** ->
enter **PIN code** “1590” ->
select **VOIP Cfg.** ->
select the configuration item

The descriptions and procedures of settings are listed as below:

Configuration Settings	**Descriptions**	**Operation Procedures**
WAN IP Address	To set the WAN port IP address	Enter HS Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **WAN IP Address**
WAN Netmask	To set the WAN port subnet mask	Enter HS Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **WAN Netmask**
WAN Gateway	To set gateway IP address	Enter HS Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**.

		Select **WAN Gateway**
Primary DNS	To set DNS server IP address	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **Primary DNS**
PPPoE User	To set PPPoE user account (User Name), password and enable/disable the PPPoE.	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **PPPoE User** To set the user account, password and enable/disable the PPPoE.
SIP Account	To read and set the SIP configuration settings **SIP Domain Server IP,** **Proxy Server IP,** **Outbound Proxy IP,** **SIP Account,** **Password** And to Enable/Disable the SIP account	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **SIP Account** Select **Line 1 or 2** Configure the settings for SIP phone Line-1 or Line-2
STUN Cfg.	To read and set the STUN configuration settings **STUN Server IP,** **STUN Port** And to Enable/Disable the STUN function	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **STUN Cfg.** To configuration the settings for STUN function
Save Reboot	To save the configuration settings and restart the device.	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **Save Reboot**

		Select **Yes** or **No**.
Factory Set	To reset the configuration settings to factory settings and restart the device.	Enter Menu Select **BS Settings** Enter **PIN code** Select **VOIP Cfg**. Select **Factory Set** Select **Yes** or **No**.

The handset key definitions shown in below are used to edit the character line of configuration item.

Configuration settings	Display	Operation key: functions
WAN IP Type	<*>: Current selection Fixed IP **DHCP Client** **PPPoE**	<Up arrow>: move the cursor up <Down arrow>: move the cursor down <INT>: confirm selection (Submit) and back to root menu <C>: back to root menu
WAN IP Address, WAN Netmask, WAN Gateway, Primary DNS,	IP address: **0~9** Dot: ▪ Cursor: *	<0> ~ <9>: 0 ~ 9 <*>: <dot> <Up arrow>: shift the cursor left <Down arrow>: Shift the cursor right <INT>: confirm selection (Submit) and back to root menu <C>: backspace <C> in line empty: back to root menu
PPPoE User	**Account:** **Password:** Charecters a~z, A~Z, 0~9 and others . χ : - #	<0> ~ <9>: 0 ~ 9 <a> ~ <z>: a ~ z <A> ~ <Z>: A ~ Z <*> Others: . @ : - # <Up arrow>: shift the cursor left <Down arrow>: Shift the cursor right

		<INT>: confirm selection (Submit) and back to root menu <C>: backspace <C> in line empty: back to root menu <C> <C>: back to root menu
SIP Account	Line No: 1-2 <1> or <2> **Server:** <Sever IP domain name> **Proxy:** <Proxy IP domain name> **Outbound:** <Outbound IP domain name> **Account:** <Account Number> **Password:** <Password> **Active:** <Enable> or <Disable>	<1> or <2>: Select Line 1 or 2: <0> ~ <9>: 0 ~ 9 <a> ~ <z>: a ~ z <A> ~ <Z>: A ~ Z <*> Others: **= . @ : - #** <Up arrow>: shift the cursor left <Down arrow>: Shift the cursor right <INT>: confirm selection (Submit) and go to next item <C>: Backspace <C> in line empty: back to root menu **Special notes for Active item:** <Up arrow> in **Active** item: Select <Enable> or <Disable> <Down arrow> in **Active** item: Select <Enable> or <Disable> <INT> in **Active** item: confirm selection (Submit) and back to root menu
STUN Cfg.	**Server:** <STUN Server IP domain name> **Port:**	<0> ~ <9>: 0 ~ 9 <a> ~ <z>: a ~ z <A> ~ <Z>: A ~ Z <*> Others: **= . ” @ : - #** <Up arrow>: shift the cursor left <Down arrow>: Shift the cursor right

	<STUN Port number> **Active:** <Enable> or <Disable>	<INT>: confirm selection (Submit) and go to next item <C>: backspace <C> at left-end: back to root menu **Special notes for Active item:** <Up arrow> in **Active** item: Select <Enable> or <Disable> <Down arrow> in **Active** item: Select <Enable> or <Disable> <INT> in **Active** item: confirm selection (Submit) and back to root menu
Save Reboot	**No** Yes	<Up arrow>: Select <No> or <Yes> <Down arrow>: Select <No> or <Yes> <INT>: confirm selection (Submit) and back to root menu <C>: back to root menu
Factory Set	**No** Yes	<Up arrow>: Select <No> or <Yes> <Down arrow>: Select <No> or <Yes> <INT>: confirm selection (Submit) and back to root menu <C>: back to root menu

Notes:

1. The idle time is set to 30 seconds during the BS setting operations. When the idle time out is expired, the handset will quit from the BS setting operation.
2. The re-entry time is set to 30 seconds for waiting to re-enter the BS setting operation.
3. Maximum characters of the account is 31.

4. Maximum characters of the password and IP address is15.
5. All of the settings submitted by pressing <INT> will be kept in the device temporarily. They must be saved to device's Flash ROM permanently by issuing "Save Reboot" command.
6. The following table explains the relation of Key-pads and input characters which are used for Base-settings -> VOIP Cfg.

Key-pad	**1'st**	**2'nd**	**3'rd**	**4'th**	**5'th**	**6'th**	**7'th**	**8'th**	**9'th**
0	0								
1	1								
2	a	b	c	2	A	B	C		
3	d	e	f	3	D	E	F		
4	G	h	i	4	G	H	I		
5	j	k	l	5	J	K	L		
6	m	n	o	6	M	N	O		
7	p	q	r	s	7	P	Q	R	S
8	t	u	v	8	T	U	V		
9	w	x	y	z	9	W	X	Y	Z
*****	**.**	**@**	**:**	**-**	**#**				

Note:

The "@" will be displayed as the special character like " χ " or like "a".